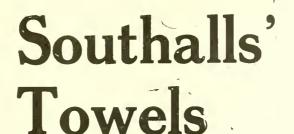




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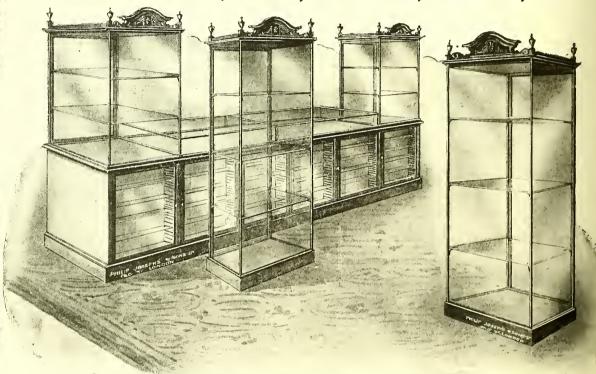
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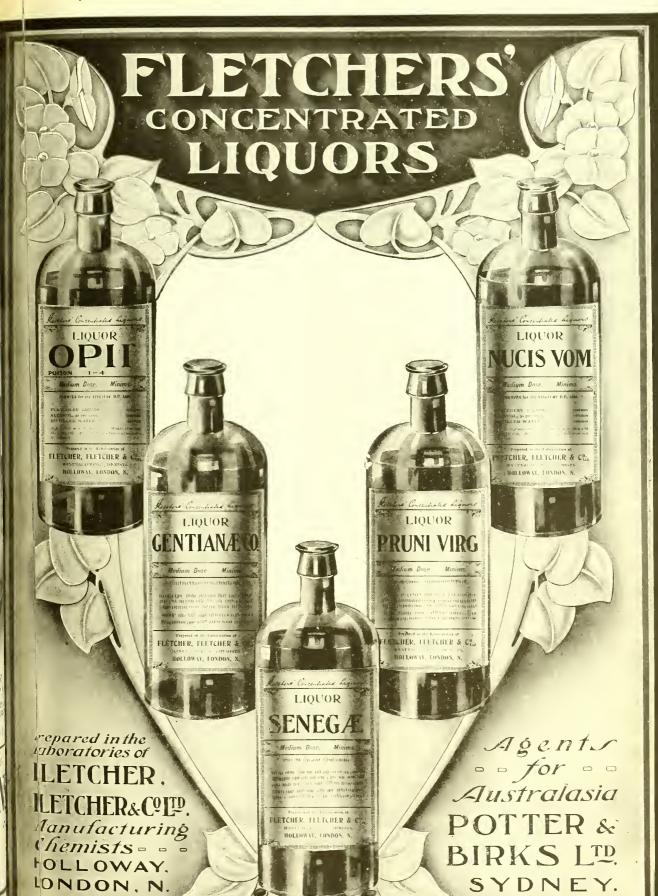
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Merck, E.

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Day & Sons (Crewe), Ltd.
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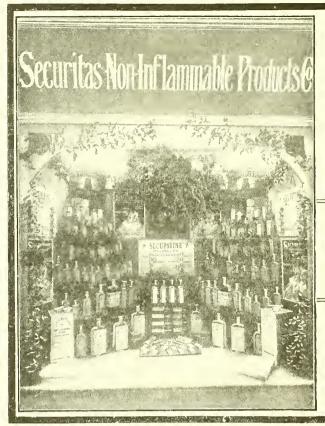
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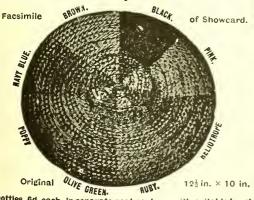
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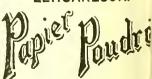
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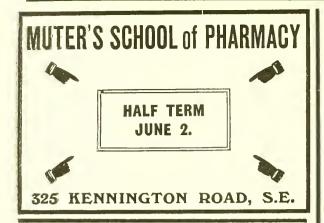
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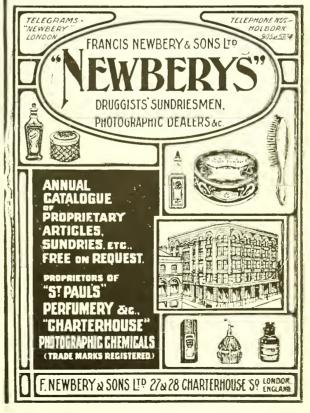
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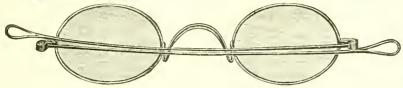
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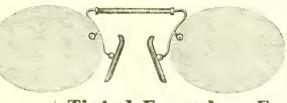
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A new and improved form of Artificial Eyes with inflations for dispensing with the sunken appearance, also the Dilating Pupil Eye, embodying a perfect movement with the natural eye.

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All Eyes made on the premises.

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Eyes in dozens, fifties, and hundreds supplied at moderate terms,

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Shopfittings, Showcases, Window Fittings, Glass Shelves, Glass Writing, Mirrors, Show Stands, Wood Letters, Drawer Labels, &c., &c. "Facile" Patent SCREW-LESS Window Shelf Bracket.

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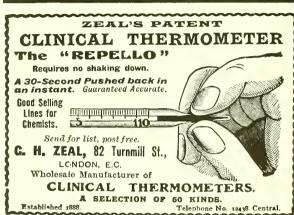
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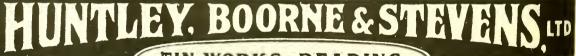
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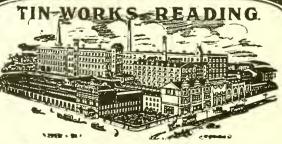
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PILLS, POWDERS, WAFERS, TABLETS, DRUGS, CHEMICALS, and LIQUIDS.

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INDEX and BUYERS' GUIDE

See pages 5 to 9.

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CHEMISTS' BRAND.

Recommended also by 'The British Medical Journal,' 'Health,' 'The Chemist and Druggist,' 'Food and Sanitation.'

ASK FOR SHOWCARDS AND HANDBILLS. To be obtained of all Wholesale Houses.

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Guaranteed Best London Make from Well-seasoned Tubes.

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HUGHES' PATENT

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In the Patent Syringe no fluid flows out at the handle end, as it does to the great annoyance of the user in all syringes at present in use.

Any water which may have been forced behind the piston in the downward stroke is passed to the front again by two fluted channels at the nozzle end.

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With thread or rubber piston. **SIZES:** $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz.; 1 oz.; $1\frac{1}{2}$ oz.; 2 oz. Larger sizes to order. Hughes' Patent Syringe must eventualty take the place of the Syringes now on sale.

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"Prana" Sparklet Syphons

the success of the Summer Season.

Probably, too, she is entering for our great

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Are you prepared with stock to join in the success? If not, write at once to

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A natural Magnesia and Soda Sulphate Saline Water bottled by the Municipality from one of its Springs.
AN ENGLISH WATER which as a saline aperient is equal in strength to and unexcelled by any of the German Waters.

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All Registered Chemists can sell Wincarnis with Quinine without a licence. Why not you?

Medical men in your district order it often, and there is a large public demand.

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"The Tube with the Captive Cap."

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Give Tone and Colour to your Windows.

EUTHYMOL TOILET PREPARATIONS have for many years been growing in popular favour. With suitable attention they bring new and profitable business, and it is not an exaggeration to say that they form altogether an exceptional investment for the Retail Pharmacist.

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17/8, 33/-, 59/6, 112/6 per doz. 2/3, 4/3, 7/6, 14/6 per bot. retail

Havanita Soap,

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Viotto Soap ... 21/- per doz. boxes; 2,6 per box retail ,, Face Powder 11/6 ,, ,, 1,6 .. ,,

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Autumnal Catarrh, Rose Fever, and Similar Complaints.

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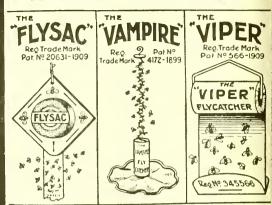
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Labels (of every description), Price Lists, Pamphlets, Circulars, Billheads, Cards, Memorandums, Prescription Envelopes, and all kinds of PRINTING and Stationery required by Chemists, at most moderate Prices.

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WE HAVE REDUCED
THE PRICE TO 5 - PER
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Heal all Wounds in Horses, Cattle, and Sheep, Sore Teams and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

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A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

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The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM

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"EUREKA" WEED KILLER.

"EUREKATINE" FUMIGANT.
Washes, Sprays, Lawn Sand, &c.

HAYWARD'S YELLOW PASTE

Is a Perfect Summer Dip.

TOMLINSON & HAYWARD, LTD. Chemists, LINCOLN,

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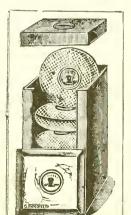
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ADVANTAGES.

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No stopping of bath pipes.

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ALSO FIVE GOOD LINES THAT ALL CHEMISTS CAN HANDLE

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Obtained by an improved process designed to remove the irritant constituents of the bacilli. Contains a definite weight of the dried bacillary substance in solution.

Doses indicated in terms of the bacillary substance actually present, and not of the weight of original dried organisms represented.

Doses: about one-fifth of those adopted for Koch's Tuberculin T.R.

'WELLCOME' Brand New Tuberculin [W], (Human and Bovine), are both issued in hermetically-sealed phials as follows:—

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FOR DIAGNOSIS

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Summer Issue Insets

are studied so carefully and referred to time after time during succeeding years. The more striking the inset, the better the results. You have until the middle of July to prepare them, and the Publisher will give you every assistance and all pariculars as to cost of distribution if you write to him at 2 Cannon Street, London, E.C.

Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

The death of Mr. Michael Carteighe robs British pharmacy of its dominant figure during the past thirty years. An appreciation of his worth as a man, as a pharmacist, and as an administrator of pharmaceutical affairs begins on p. 48.

A question regarding the sale of quinine wine as a known, admitted, and approved remedy has been submitted to the Board of Customs and Excise, with ambiguous results (p. 64).

"Xrayser II." discusses, among other subjects, Pharmacopecia revision, dispensing by doctors and prescribing by chemists, and the history of the Phænix (p. 47).

The Departmental Committee which inquired into the carriage, storage, and use of petrolcum spirit has reported. Its use as a hair-wash is condemned (p. 50).

A Chemical Society paper on the constituents of *Prunus scrotina* leaves, by Drs. Power and Moore, is epitomised on p. 44.

Sweden is proposing a revision of its Customs tariff, and particulars of it are given on p. 63.

The Week's News.

Child labour in shops is to be further inquired into by the Government (p. 51).

Boots Cash Chemists (Eastern), Ltd., made 23,1921. net profit last year (p. 41).

A deficient water-supply at Grasse may affect this season's production of perfumes (p. 37).

Early closing is wanted by West Ham chemists (p. 35) as well as those of Dundee (p. 36).

A racy account of the Minor Examination in Edinburgh is given in the Coloured Supplement.

Bottles must not be used as measures. So a Divisional Court of King's Beach has decided (p. 39).

Golfers representing the wholesale drug-trade beat retailers in a match at Neasden last week (p. 36).

The Natal Pharmaccutical Society favours federation of pharmacy bodies in South Africa (p. 37)

A long series of trade-mark applications for chemical products by Bayer Co., Ltd., is summarised on p. 58.

The sale of corrosive sublimate to an unknown person by a company of laboratory furnishers is the subject of a Pharmacy Act prosecution (p. 40).

A dispute between W. H. Smith & Son and Elliman, Sons & regarding 50,000 copies of an Elliman book has been settled in court (p. 39).

The medical officers for schools at Acton report that parents do not sufficiently appreciate the value of spectacles for children who need them (p. 35).

In our obituary columns we record the deaths of Mr. C. F. Baker (Calcutta), Dr. Koeh, the baeteriologist, Mr. F. W. Bassano (Derby), and Mr. R. Lindsay (Peebles), among others (p. 43).

At the annual meeting of the National Chamber of Trado Mr. R. C. Walshaw opened a discussion on the sale of proprietary articles, and a resolution on the subject was passed (p. 42).

The British Pharmacopæia has been selling exceptionally well. So it was reported to the General Medical Council, We report which concluded its summer session last Saturday. the proceedings, which were largely connected with penal cases (p. 52).

At the Pharmaceutical Council's meeting on Wednesday Mr. Harrington was re-elected President, Mr. Curric Vice-President, and Mr. Gibson Treasurer. A resolution with reference to the late Mr. Carteighe was passed, and routine business transacted included awards to School of Pharmaey students (p. 54).

Trade and Market Matters.

A sudden advance in bismuth and salts is a feature of tho markets. Copper sulphate, jalap, resin, and platinum salts are also higher Morphine salts, opium, pepper, ammonia sulphate, soya oil, castor oil, shellac "futures," and turpentine are all in buyers' favour. The drug-auction was resumed after a month's interval (p. 59).

English and Welsh News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Brevities.

Seven chemists at Berwick-upon-Tweed announce that they will elose at 7.30 P.M., except on Saturdays.

Plans for additions to the works of Messrs. Howards & Sous, at Uphall Road, have been passed by the Ilford Urban District Council.

Messrs. Knott Bros., chemists, 1 Blackburn Road, obtained a third prize in the class for light horses at a tradesmen's display of turnouts held at Bolton on May 28.

Captain Scott has taken forty cases of Wincaruis on the Terra Nova South Pole Expedition. The entire medical equipment and photographic chemicals for the expedition were supplied by Messrs. Burroughs Wellcome & Co.

The letting of seats to view the Royal funeral procession at the Edgware Road branch of Boots, Ltd., realised 281l. 7s. The Marylebone Borough Council claim 25l. 4s. of this for licence, leaving a balance of 256l. 3s., which has been forwarded to the London Hospital.

Cream is thickened with solution of lime in cane-sugar syrup, also gelatin and cornflour. Local authorities in Great Britain have been asked by a circular from the Board of Agriculture and Fisheries to submit samples of cream, sold locally, to the public analysts.

At a meeting of the National Pure Food Association in London, on May 27, it was stated that a large quantity of cream is now being used as a substitute for cod-liver oil. and in this and other ways quantities of boric acid are received into the system. [Good point for cod-liver oil retailers.]

A fire destroyed practically the whole of the contents of the warehouse of Mr. John B. Aldrich, chemist and druggist, Castle Street, Eye, Suffolk, on the morning of May 31. The cause of the fire is not known. Mr. Aldrich fortunately succeeded in removing over a hundred gallons of petroleum before the flames reached them.

At the annual meeting of the Royal College of Veterinary Surgeons, held at 10 Red Lion Square, W.C., on June 1, it was stated that the Veterinary Surgeons Act (1881) Amendment Bill, which will be introduced in the next Session of Parliament, contains a proposal to give unqualified men the title of veterinary surgeon, and this was objected to.

We reported recently how on May 8 Mr. Frederick Banks, an aged chemist, was found bound and gagged in his shop in Walworth Road, S.E. The Lambeth Police Court Magistrate has remanded Robert Desmond (26), commission agent, on a charge of being concerned with others in attempting to murder Mr. Banks and stealing about 150l. from him.

Mr. David Howard, J.P., F.I.C., speaking at the annual meeting of the Bishop of St. Albans' Fund, said: 'I have seen the population spread like locusts over what used to be the best cornfields of South Essex. Ten per cent. of the population of West Ham go to places of worship. If a proper proportion of the population went, the Black Hole of Calcutta would be an airy and sanitary place compared with the churches.

At the Boar's Head Hotel, Halifax, on May 27, an important block of property, comprising a shop in Corn Market and Old Market occupied by Mr. Gibson Dixon, chemist, and another shop and offices, were offered by public auction. Mr. Dixon has the shop on a three-years' lease from May 1. 1909, and the gross income for the whole of the property is 2911., rising to 3011. The auctioneer remarked that there is not a corner shop in town occupying such a commanding position as Mr. Dixon's pharmacy. For probably 100 years position as Mr. Dixon's pharmacy. The probably 100 years particles business had been conducted on the site. opening bid was 4,000%, and the final one was 5,000% on behalf of Sir Jesse Boot, of Boots, Cash Chemists, Ltd.

Sale of Food and Drugs Acts

The Southampton analyst reports that he has examined three samples of cream of tartar, which were all genuine.

The Monmouthshire analyst states in his quarterly report

cream of tartar and carbonate of magnesia. All were returned as genuine.

The following samples were submitted to the analyst for the county of Middlesex (Mr. E. J. Bevan, F.I.C. during the past quarter: Olive oil, 30; white precipitate ointment, 26; arrowroot, 20; eucalyptus oil, 19; and malt vinegar, 5. With regard to the white-precipitate ointment three samples (formal) were of inferior quality, five (informal) were deficient in ammoniated mereury to the extent of 13, 15, 15, 28, and 63 per cent. respectively, and one (informal) consisted entirely of zinc ointment. One informal sample of olive oil was adulterated with cottonseco oil. Of the vinegar samples examined two contained diluted acetic acid. All the remaining samples were genuinc. Contracts.

Camberwell Guardians.—P. B. Cow & Co., for six water beds, at 46s, each.

Aylesbury Guardians have placed Boots, Ltd., on the list of chemists to the workhouse.

Salford Town Council.—Higginbottom & Co., for 128 tons of green copperas for the sewerage works, at 14s. per ton net.

Coventry and Warwickshire Hospital .- Mr. W. G. Taylor (Southall Bros. & Barclay, Ltd.) and Messrs. Wyleys, Ltd., Coventry, for the supply of dressings during the ensuing six months.

Metropolitan Asylums Board.—Carbonie Acid Gas Co. for carbonic-acid gas; Bovril, Ltd., Liebig's Extract of Meat Co., Ltd., Brand & Co., Ltd., International Plasmon Ltd., and G. T. Cox & Son, Ltd., for proprietary articles

Norwegian Chamber of Commerce of London. The third annual report of this useful business body has been issued this week by the Secretary (Mr. G. Aargaard 18 High Holborn, Loudon, W.C.). One of the most im portant pieces of work done by the Chamber during the pas year was the arrangement between the London Court of Arbitration, the London Chamber of Commerce, and itself and under this it is recommended that the following elaus be inserted in all contracts between English and Norwegian

"It is agreed that any dispute arising under this contract is to be decided by two arbitrators, one to be appointed by the London Chamber of Comnerce, Incorporated, and the other by the Norwegian Chamber of Comnerce in London, Incorporate of Company of porated, with power for the arbitrators to choose an umpire. This should be useful to buyers of eod-liver oil. report contains a good record of the year's trade with Norway, and is printed in English and Norwegian. Haakon VII. is patron of the Chamber, and Mr. J. Jörgen sen (Johnson & Jörgensen) is still the popular President.

Mr. Roosevelt as a London Citizen. On Tuesday, May 31, Mr. Theodore Roosevelt, ex President of the United States of America, visited th City of London, where he received at the Guildhall th Freedom of the City. The copy of the resolution of th Corporation was illuminated and enclosed in a golde casket. In acknowledging, Mr. Roosevelt addressed th large company assembled on "The Duties of Britain at the Custodian of Egypt." Among those invited to be present were Mr. and Mrs. F. C. van Duzer, Mr. and Mrs. J. Morgan Richards, and Mr. F. M. Fisk (Mesers, Park) Davis & Co.), who, however, is at present on the Atlantic returning from his business visit to Detroit. These wer on the American list of invitations. On the British lit were Lieut. Colonel Probyn, Mr. R. A. Robinson, an Dr. Pagenstecher.

Radium. A statement has been issued on behalf of the Britis Radium Institute that the question of the supply radium for its use has become a matter of urgency. La: year a company contracted to supply 5½ grams of radiusalt to the Institute, but it has not been able to obtain anything like that quantity yet, and it is estimated that the present time there is less than a gram of radiu salts in this country, and a portion of it is on loan fro the Austrian Government, and is due for return i September. The present price is 20l. per milligran The Institute was expected to begin work in October, by that he has examined during this period five samples of the radium famine makes that doubtful. A safe has bee

Hein San Hei

made by Messrs. Chubb & Sons for the British Radium Corporation. Although only about 3 ft. in height it weighs a ton and a half. It is made of an interior shell of 3-in. lead and an outer casing of a similar thickners of steel. To prevent the escape of any ray of light it is fitted with a circular lathe-turned door, which has a "dead" fit, and has an ingenious contrivance for immediately remedying any wear and tear caused by opening and shutting the door. Another safeguard had to be taken to prevent loss of emanations when the door is opened, and two valves have been fixed into the door, through which tubes of mercury will be passed for the collection and storage of the emanations.

Birmingham Notes.

The photographic exhibit at Malvern, held last week, has given quite a fillip to the local business in such goods.

The Chairman of the Birmingham Board of Guardians, in proposing a vote of condolence with the wife and family of the late William Adams, said that the Board had lost a valued colleague and a useful member.

The aspect of the shop-windows has, like the times, changed, and summer requisites are the order of the day. Boots' New Street shop has put on a very befitting dress, being a design in packages of one of their special preparations.

Drug-stores seem just now to be a drug in the market judging from the numerous advertisements of them appearing in the local Press. But then Birmingham has ever been the hotbed of these, although it was also the birthplace of the long defunct trade association.

Handsome villas now void on the Moseley Road, midway between King's Heath and the "village," are to be transformed into shops, and no doubt an eye will be kept upon one of them as a pharmacy, for it is in the centre of a series of large, well-built dwellings.

While engaged in cutting blocks of alum with a circular saw a workman seriously injured his right-hand thumb and sued for compensation in the courts. The Judge reserved judgment in order that he might inspect the saw at work. These blocks of alum are used after shaving.

Ironmongers and Poisons,

At the annual meeting of the Federated Ironmongers' Associations, held in Birmingham this week, Mr. R. H. Smith, the Seeretary, in the course of some observations on the Poisons and Pharmacy Act, repeated his statement that "The Pharmaceutical Society had been active during the year in endeavouring to entrap ironmongers who sold poisons into breaches of the law, and some of the unwary had been fined in the courts for neglecting to comply with the provisions of the Act. The time for renewing is now approaching," he added, "and as organised opposition to the renewals is threatened by the Pharmaceutical Society, ironmongers should be careful not to sell poisons to unknown persons, and to see that all poisonous substances scheduled in the Act which they sell bear the name both of the manufacturer and of the distributor."

Notts Notes.

A new indoor range for the use of Boots' Miniature Rifle Club is being erected in preparation for the winter. A two-storey rope-walk in Station Street has been purchased, and will be adapted for shooting.

The Nottingham Pharmaceutical Association contemplate having a summer outing this season. The Council has appointed Messrs. Sergeant, Middleton, Gill, and Plattin as a sub-committee to carry out the arrangements. Derbyshire is spoken of as the most likely place, and Lathkill Dale is a strong favourite. The outing will probably take place before the end of June.

The Medical Inspection Committee of the Nottingham Education Authority are recommending the use of x-ray treatment for ringworm. It was stated that the treatment would involve a charge of about 150%, for establishment, but it was estimated that the improvement in attendance which could be secured by the treatment would effect a saving of at least 200%, per annum in Government grants. It seems that about 800 children are normally affected with ringworm in the city.

Earlier Closing.

At the meeting of Leyton Urban District Council on May 31 the Law Committee reported having considered a letter from the Home Secretary forwarding a communication received from the West Ham Association of Pharmacists in reference to the operation of the Closing Order relating to chemists, and suggesting that such order should be so administered as to prohibit unrestricted access being given to the public by chemists and druggists for the purpose of obtaining medicines and medical and surgical appliances during the time such shops are closed pursuant to the Closing Order, and that the doors of such shops should be required to be kept fastened so as to prevent the public entering; also suggesting that the use of artificial light in the shop-windows during the closing hours should be prohibited. The Secretary of State intimated that there was no power to give effect to the course of action proposed by the above Association, but suggested that a new Closing Order might, if the Council were so disposed, be made containing an article requiring the exhibition, after the closing hour, of a notice to the effect that the shop is not open for the trade or business of a chemist or druggist except only for the sale of medicines or medical or surgical appliances. The Law Committee expressed the opinion that the action suggested by the Secretary of State, so far from securing the object in view, would give rise to further difficulties in enforcing the provisions of the Order, and recommended that the Association be requested to call the attention of the Council to any case in which it is believed that the Closing Order is being evaded, when inquiries will be made, and if there is found to be any evasion a prosecution will ensue. This was agreed to,

School-children's Spectacles.

Dr. D. J. Thomas and Dr. Lilian E. Wilson, in their annual report on the medical inspection of Acton schools state: "Fifty-four children have obtained spectacles. In those cases where the parents are too poor to provide glasses for the children the expenses are defrayed out of the grant of 50t. made by the Urban District Council for this purpose. In most instances the cost is recovered from the parents in small weekly payments (out of eighteen cases thus arranged only seven have been unable to pay anything). It is found that more care is taken of the spectacles if the parents have contributed towards them. For instance, in one case where expensive glasses were necessary, and had been wholly provided by the Council, on a further medical examination it was found that one of the lenses was so scratched as to be valuelers. This had been done by another child who had worn the glasses in play. The head teacher reported that the educational improvement both in reading and writing had been marked since the child had worn glasses. It is exceedingly difficult to persuade parents to persevere in taking children to hospitals, and it is impossible to provide suitable glasses on one visit. Those who have failed to carry out instructions number 5.5 per cent. These parents have been repeatedly visited, and usually promise to use the hospital letters given, but fail to carry out their promises, although it is explained to them that the cost of the glasses is defrayed in necessary cases. There is often much ignorance and apathy displayed; hospital letters are carelessly lost, and in one case the parents were given a free order to obtain glasses in accordance with a prescription, and did not trouble to procure the glasses. The individual character of spectacles is not always appreciated. A child was sent to a hospital with a special letter to obtain glasses. On a subsequent visit, the S.M.O. was told that the glasses had been tried but were of no use; and as the child had been sent to an eye specialist of great experience this was somewhat surprising. On further inquiry it was found that the parents had been once to the hospital, but had failed to go a second time. The glasses worn had been purchased by an uncle at 'a shop in the City,' and were brought home and presented to the child. This explanation fully accounted for the headache and objection to spectacles.

A Doctor's Mistake

in dispensing, which caused the death of a woman, had a sequel at the London Sheriff's Court on June 1, when Mr. James Pratt, husband of the deceased woman, sued Dr. John Fletcher, of Walham Green, for damages for the loss

of his wife, owing to defendant's negligence. The cvidence was to the effect that Dr. Fletcher supplied the deceased woman with some medicine containing an overdose of strychnine. Dr. Fletcher, at the inquest, admitted that the woman died of strychnine poisoning. The jury assessed the damages at 214l. 11s. 6d., made up as follows: 50l. for the husband, 50l. each for the three children under age, and 14l. 11s. 6d. expenses.

Golf in London.

The second year's match between the London Chemists' Golf Club and the Wholesale Drug Trade was played at Neasden on May 26, singles being played in the morning and foursomes in the afternoon. Play was by matches without handicap; the method of counting was for the match to count 1, and the bye, if of not less than three holes, to count $\frac{1}{4}$. The result was as follows:

SINGLES.

London Chemi	ists' Golf C	!ub :	v. Wholesale Drug Trade.	
S. Briggs		0	C. A. Hill	1
C. Tanner		. 0	R. K. Harvey	1
H. Tomlins		0		1
J. G. Dunean		1		1
F. Cooper		- 1		0
P. Triek		. 0		1
E. Beaton		. 0] }
W. Dunean		- 0	R. J. Hanbury	0
		_		
		11		64
		Four	SOMES.	
S. Briggs	}	1	C. A. Hill?	0
C. Tanner	∫	1	R. K. Harvey 5	0
H. Tomlins	··· ··· ··· · · · · · · · · · · · · ·	0	W. P. Evans ?	1
J. G. Dunean	∫	0	E. Layman	-
F. Cooper	}	0	Sir Edward Evans ($1_{\frac{1}{4}}$
P. Triek	∫	U	C. Dunn	1.4
E. Beaton	₹	1	A. Hieks	0
W. Duncan	∫	-	R. J. Hanbury	_
		_		_
			2	2.
		(1)		

TOTAL.

Wholesale Drug Trade $6\frac{1}{4} + 2\frac{1}{4} = 8\frac{1}{2}$ points. London Chemists' Golf Club ... $1\frac{1}{4} + 2 = 3\frac{1}{4}$ points.

Crieket.

Leicester Pharmacy Athletic Club.—A combination of circumstances has resulted in the opening month of the season being practically lost, the club playing their first serious match against the Borough Police at Victoria Park on May 26. The policemen, who placed a fairly strong team in the field, batted first, and soon wickets fell merrily to the bowling of Chawner and Chell. Five wickets were down for 25 runs, but the sixth took some getting, and the innings eventually closed with a score of 89 runs. The chemists started confidently, but Marfitt was unfortunately run out when the score reached 25, and his opening partner, Chell, left soon after with a score of 20 to his credit. Chawner had a short but merry innings, as also Peberdy and Fry. However, Tomlin found the bowling not amiss. At the call of time he was unbeaten with a score of 35. The chemists thus proved easy winners, the scores being 95 runs for five wickets against 89. The fielding was good, Chamberlain and Foreman shining in this department.

Irish News.

When sending Mewspapers containing Trade news to the Editor please mark the items.

Chemists' and Druggists' Society of Ireland.

At the last meeting of the Committee of the Chemists' and Druggists' Society of Ireland, held at 11 Waring Street, Belfast, the President (Mr. Wm. Haslett) in the chair, Mr. S. Templeton, Assoc.R.C.Sc., F.I.C., Principal of the School of Scientific Method and Chemistry in Belfast, was appointed honorary chemist and analyst to the Society.

Brevities.

Mr. Robert Hastings, J.P., Ph.C., Chairman of the Urban Council, Newcastle, has been appointed Hon. Treasurer of the forthcoming town sports and regatta.

At the Society of Miniature Rifle Clubs international meeting at Kinnegar Range, Belfast, on May 28, some good shooting was performed by Master Lambert Reid, son of Mr. Samuel Reid, chemist and druggist, formerly of Albertbridge Road, Belfast. Master Reid won a bronze medal and silver spoon.

At the Spring Show of the Royal Ulster Agricultural Society in Belfast last week, Mr. Samuel Gibson, J.P., registered druggist, King Street, was a successful exhibitor in the section devoted to Dexters. There were five classes in the section, and Mr. Gibson's record was one second prize, two thirds, one "highly commended," and one "reserved."

Guardians' Doings.

The Newcastle West (co. Limerick) Board of Guardians will on June 8 appoint a qualified compounder of medicines at a salary of 35*l*, per year for the workhouse dispensary and 25*l*, per year for the Newcastle West Dispensary District.

The Local Government Board have intimated to the Tubbercurry Guardians that they must order their supplies of drugs from Messrs. Boileau & Boyd, Dublin. Several Guardians protested against the order of the Local Government Board, which they said is not fair to the local contractors, as the difference involved is extremely small.

At the meeting of the Newry Board of Guardians Messrs. Sumner & Co., Liverpool, drug contractors, forwarded an account for 13*l*. odd for empties not returned. The Clerk said he would write to the medical officers on the matter, and that he had already informed the contractors that the Board would not accept any liability where proper arrangements had not been made for the packing and removal of the empties.

Scots News.

When sending Newspapers containing Trade news to the Editor please mark the items.

Dundee.

A meeting of the retail chemists of the town was held in Mather's Hotel on May 26, at 9.15 p.m. It was called by the Secretary of the Dundee and District Pharmacists' Association, the business being to consider the advisability of adopting the Shop Hours Act, 1904. Mr. C. Stephen, Ph.C., presided over a gathering of twenty-four, and explained the various sections of the Act relating to shop-keepers and the section which exempts chemists. After considerable discussion it was unanimously agreed to present a petition to the local authorities requesting that the Act be enforced. The hours fixed upon were: Monday, Tuesday, Thursday, and Friday, at 8.30 p.m.; Wednesday, 5 p.m.; Saturday, 10 p.m.; and Sunday, 8 p.m.

Edinburgh.

The North British Rubber Co., Ltd., of Castle Mills, Edinburgh, have purchased a fully-equipped indiarubber factory in the outskirts of Paris, and will commence operations there almost immediately. This move has been made following on the recent increase in the French tariff.

The nineteenth annual sports meeting of the Edinburgh Pharmacy Athletic Club will be held in the Royal Gymnasium Grounds, Fettes Row, on Monday, June 6, commencing at 6.30 p.m. Full particulars can be obtained from the Hon. Secretary, Mr. W. H. Chambers, 5 East Mayfield, Edinburgh.

Glasgow and the West.

Business has received an impetus with the advent of June, many families laying in a stock of medicine, etc., before journeying to "the coast."

Mr. George Duncan, who was for many years in the Glasgow Apothecaries' Co.'s Sauchiehall Street branch, has been appointed traveller in Glasgow and the West of Scotland to Messrs. Pinkerton, Gibson & Co., wholesale druggists and manufacturing chemists, Edinburgh. Mr. Duncan has had considerable experience "on the road." He succeeds Mr. P. Carrick, who recently sailed for Canada.

Messrs. Francis Spite & Co., Ltd., have at present a very pleasing window-display of "Kerol" toilet-preparations in their St. Enoch Square premises. Sponges bulk

largely in the chemists' windows throughout the city, and the St. Enoch Square shop of Messrs. Cockburn & Co., Ltd., arrests particular attention, as rocks, etc., give it quite a deep-sea aspect. Yet another window in this vicinity attracts notice, namely, that of Messrs. Cooper & Co., Ltd., who devote a whole window to toilet requisites and salines, etc.

Mr. H. J. U. Hetherington, son of Mr. Thos. Hetherington, ehemist, Tillicoultry, has obtained the following awards at Glasgow University for the session 1909-10: (1) University Silver Medal in Mental Philosophy for the best essay on "The Subjective and Objective Tendencies in Recent Philosophy"; (2) Gartmore Gold Medal for the best essay on "The Morality of States and Individuals"; and (3) first prize in the class of Political Economy, and the Alexander Smart Memorial Prize of 101. for first place in the essays of the class.

French News.

(From the "C. & D." Correspondent.)

TAX ON NICOTINE.—The "Journal Official" of April 17. 1910, contains a law taxing salts of nicotine or non-alcoholie solutions of these salts containing at least 100 grammes of nicotine per litre, and having a density of not over 1.3, at 50c. per 100 kilos. general tariff; 25c. minimum tariff.

THE PASSING OF THE "PERFUME PALACE."—During the cast three years visitors to Paris will have noticed the handsome frontage of a shop in the Rue de la Paix, Paris, fitted in Empire style and bearing the name "Perfume Palace" on the facia. The inside fittings were also very stylish and set off by a fine Turkey carpet, "the sort of place," as a well-known London manufacturer remarked, 'where ladies would like to go shopping." "where ladies would like to go shopping." A general stock of all the leading French and English marks of perfumery was kept in the "Palace," but high rent and competition have proved too much for the venture, and the shop is now closed. The proprietor was formerly the head of the perfumery department at the well-known Bon Marché department store in Paris.

DEADLOCK AT GRASSE.—A dispute between the local authorities and the perfume-manufacturers at Grasse has assumed a serious aspect. New regulations concerning the water-supply caused a conflict about three months ago between the Mayor and the manufacturers. The matter had been laid before the Council of State, and its decision was to be shortly given. But a few days ago, and without waiting for this decision, the municipality reduced the water-supply to some manufactories and cut it off entirely from others; and this in the height of the season, when a darge quantity is necessary on account of the huge daily deliveries of fresh flowers. The manufacturers, feeling that it was impossible to earry on business under these circumstances, held several meetings. It was decided nem. con. to take vigorous action, and on and after May 17 to refuse flowers, discharge all hands, and shut up the factories. This is calculated to represent a loss of over 60,000l. (1,500,000f.) to flower-growers.

SEQUESTRATION OF A PHARMACIST.—A curious case of the sequestration of a pharmacist was made known in Paris last week. The victim is M. Eugène Brunet, who owns a pharmacy of modest appearance, but with a prosperous branch in patent medicines attached, at 34 Rue Saint Paul, Paris. The police here have taken action in the matter on information supplied by M. Joseph Brunet, the pharmacist's brother. He states that towards midday on Tuesday his brother and he were attacked by six individuals, who threw the former in a motor-car. Finally the police intervened and the parties were taken to the police station, where, the brother states, one of the men who attacked them produced a certificate for conveying the pharmacist to a lunatic asylum. But it is claimed that this certificate was a bogus one, it having been altered and is out of date. The pharmacist was, however, kept under arrest. There appear to be some family complications regarding the matter in which M. Eugène Brunet's mother-in-law may be interested, but further details will no doubt be forthcoming within a few days.

South African News.

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in business in British South Africa.

Cape Colony.

REGISTRATION.—Mr. Arthur Barkes has been granted a licence by the Colonial Secretary to practise as a chemist and druggist in Cape Colony.

Personal.—Mr. J. Hull, Mossrs. Parke, Davis & Co.'s representative, who has just returned from upcountry, reports greatly improved business in all centres. Mr. Hull sailed for England by the s.s. Briton on May 11. -Mr. W. K. Mager (Queenstown) and Mr. J. Parry (Kimberley), members of the Colonial Pharmacy Board, were in Cape Town, when the mail left, in connection with the half-yearly examination which took place on May 11 and 12.—Mr. J. Clayton Smith, of Messrs. Heynes, Mathew & Co., left for England by the s.s. Grantully Castle on May 23.

Transvaal.

PERSONAL.—Mrs. Johnston, wife of the President of the Pharmaceutical Society of the Transvaal, left Johannesburg by Diamond Express, on May 7, to join the Union-Castle boat at Cape Town en route to England on a sixmonths' holiday.

Pharmaceutical Society of the Transvaal.—The Society's annual dinner fixed for May 10, which gave promise of being the most important function the Society has ever held, was cancelled on account of the death of King Edward VII.

OUR JOHANNESBURG CORRESPONDENT, writing on May 9, says: Everything has received such a severe shock owing to the death of King Edward VII. that there is little news except that which will be common to all parts of the world. To-day (Monday) is being observed in Johannesburg as a day of mourning, all Government places and business establishments being closed. The month has been rather a disastrous one for business in general, for besides the holidays on account of the funeral there are also four public holidays this month. The draping of buildings is in full swing to-day, but owing to a shortage of purple material the work is much handicapped. However, dyers are having a busy

Durban.

Mr. Norman W. Charlton has opened a drug-store at

The News of the King's Death was received in Durban with great consternation, and most of the shops were draped in black. Many of the chemists closed their businesses between the hours of two o'clock and six.

Natal Pharmaceutical Society.

A GENERAL MEETING was held in Mr. G. Stuart Jones' rooms, A GENERAL MEETING was held in Mr. G. Stuart Jones rooms, Durban, on May 5. There were present: Messus. S. K. Elgie (President), F. Firth, G. A. Champion, G. Stuart Jones, E. B. Dunkerton, R. P. Gale, F. P. Hamlin, A. Edwards, W. H. Goodbrand, and D. S. B. Anderson (Hon. Sec.), MINUTES.—On the Secretary reading the minutes, Mr. Champion took exception to a resolution which he had proceed at the precipile reacting. As this vessibility was proceed.

posed at the previous meeting. As this resolution was not put into writing, it was agreed to let it stand as it was.

CORRESPONDENT.—Mr. Champion inquired whether anyone

was authorised to communicate reports to The Chemist and DRUGGIST, as reports of the various meetings had been pub-DRUGGIST, as reports of the various inceedings affecting the lished, and he thought that such communications affecting the lished, and he have the sanction of the President. This Society should first have the sanction of the President. This was agreed to, and the C. & D. correspondent was duly authorised to act.

CORRESPONDENCE.—Mr. Froembling, President of the Cape Pharmaceutical Society, wrote rc the probable extension of the Cape Medicine and Stamp Act to the whole of the States on the Union eoming into force. He wished the Natal Society to take steps to induce the Government to guard against such a contingency. He suggested raising the Customs dues on "patents" should any additional revenue be needed. Mr. Dunkerton said that at the time the Act eame into force revenue was only needed in the Cape, so that no extra Customs dues were imposed. He was of opinion that the Act would be abolished by the Union Parliament. It Correspondence.—Mr. Froembling, President of the Cape

was thereupon agreed that nothing should be done in the matter unless the tax became general throughout the Union.

PRICE-LIST-REPORT.—The Committee which was formed

with the intention of revising the present price-list recommended that the revision be held over for a few months, as there was every possibility of a new Customs tariff coming into force.

PHARMACY BOARD REPORT.—Mr. Anderson gave a résumé of the business transacted by the Board at its last meeting. The Board had received for consideration from the Transvaal The Board had received for consideration from the Translater Pharmaceutical Society a draft Medical and Pharmacy Act which would be brought up at the Union Parliament, after a Conference had been held comprising delegates from the various Pharmacy Boards to consider the matter. Two delevarious Pharmacy Boards to consider the matter. Two delegates to this Conference, which is to be held at Bloemfontein, gates to this Conference, which is to be held at Bloemfontein, would be appointed by the Board at their next meeting. Mr. Dunkerton proposed that as the question of a Pharmacy Act concerned all chemists, it be discussed at the next meeting of the Society. This was agreed to.

Subscription.—The notice of motion by Mr. Anderson, seconded by Mr. Firth, "That the rule relating to annual subscription be altered to read 1l. 1s.," having been on the agenda for the requisite period of three months required for the alteration of a rule, was put to the meeting and carried

the alteration of a rule, was put to the meeting and carried unanimously.

RESIGNATION.—Owing to Mr. J. H. Millar's departure for the Transvaal he tendered his resignation, which was accepted.

German News.

SALE OF PHARMACEUTICAL PREPARATIONS IN GERMANY. The demand of the apothekers for a definite list of the preparations allowed to be sold by druggists and other retailers outside pharmacies was brought before the Prussian Chamber of Deputies on May 26 by Deputies Franck and Varenhorst. It is expected that the Federal Government will take up shortly the pigeon-holed Bill on the subject.

DRUGGISTS IN PRUSSIA.—New regulations dealing with druggists have been issued in Prussia requiring that only goods intended for sale shall be stocked on the premises This is to prevent the excuse often proffered when forbidden goods have been found—that they were not intended for sale. Another important innovation is that all goods which may be sold by druggists and are contained in the German Pharmacopæia shall fully correspond to pharmacopæial requirements. This means that the competition between apothekers and druggists as to quality will be done away with. The druggists regard this provision as marking an improvement in their position, and depriving the pharmacist of the use of the favourite statement that his preparations are of assured quality though dearer than the druggist's. They are especially delighted at the new regulation which provides that the inspection of drug-shops shall be conducted by the district physician and local police authorities, and that in future a pharmacist will only take part if specially required by the district physician, in which case the apotheker called upon to be present may not be, or have been, connected with a druggist's business.

TOGETHER LIKE AS BRETHREN.—The following case shows the cat-and-dog attitude between pharmacists and druggists in Germany. A pharmacist had reason to believe that a druggist was selling preparations which may only be purchased in a pharmacy. On his behalf a person went to the druggist and obtained without difficulty a couple of preparations which the druggist was not entitled to sell. He reported the matter to the authorities, and the druggist was convicted and had to pay a fine of 20 marks. To get even with the apotheker, the druggist sent to the pharmacy for a remedy which may not be sold except on a medical man's prescription. But the tables were turned on both in a rather remarkable manner; the authorities proceeded against both parties on the grounds of "inciting to commit an illegal act." In spite of the druggist's defence that the apotheker was not allowed to sell the preparation, he was condemned to pay a fine of 10 marks, "as he was aware that the pharmacist was not permitted to sell the preparation." The case against the pharmacist has yet to be tried. It is likely that the matter will be carried to a higher court.

Poisoning Cases.

THE following cases have occurred since our last issue: Carbolic Acid was the agent used to effect self-destruction by Alfred James Thetford (34), barrister's clerk, Lambeth, S.E.

Cyanide-poisoning caused the suicidal death of a Bourne-mouth coal merchant named Charles Gething Turner. Mr. W. E. Curtis, chemist and druggist, 128 Old Christchurch Road, Bournemouth, deposed at the inquest that he thought a bottle found near deceased contained cyanide of potassium. The jury, in giving an open verdict, found that deceased died from the effects of taking a poison, "a cyanide salt of some kind."

Laudanum in accidental overdose was responsible for the Laudanum in accidental overdose was responsible for the death of Margaret Ann Bebee, at Gorleston. The bottle-found near deceased bore a laudanum-label of a branch of Boots, Ltd., at 23 Regent Street, Yarmouth. At the inquest the Coroner remarked that the laudanum must have been purchased some time ago, as Boots had removed to King Street. Dr. J. Ryley said be considered that the laudanum band become conventional by conservation Harva Brade had become concentrated by evaporation.—Henry Brook, quarryman, Dewsbury, intentionally ended his life with the same poison. Mr. F. W. Hollingworth, Ph.C., manager for the local branch of Boots, Ltd., stated at the inquest he refused to sell deceased two-pennyworth of laudanum, but supplied one-pennyworth of ease a cough. The jury found that death was from heart-failure due to the degeneration of blood-vessels, accelerated by swallowing a small quantity of laudanum.

-At an inquest held at North Shields on May 30, Opium .on the body of a publican named l'atrick Henry, the jury returned a verdict that death was due to come following chronic nephritis accelerated by a dose of opium. Mr. E. A. Robinson, drug-store keeper, stated that he supplied a sleeping-draught containing 17 drops of laudanum, of which half was to be given for a dose. Dr. Frazer, who was attending deceased for delirium tremens, said he was also suffering from granular kidney, and that the smallest dose of opium in such cases was highly dangerous.

Potassium Permanganate.—Ernily Ashworth, aged eighteen

months, died in the Blackburn Infirmary from the effects of a

quantity of potassium-permanganate crystal Prussic Acid.—An inquest on the body of Miss Lyndal Rico was concluded at High Wycombe on May 27. Miss Rice was a student at the London (Royal Free Hospital) School of Medicine for Women, and was found dead on May 11. Besido her was a bottle which had contained an iron-phosphate tonic supplied by Miss Spencer, a local chemist. Deceased had tried previously to obtain chloroform for the purpose of killing a cat for dissecting, but Miss Spencer had refused to supply her on account of her youth. The jury returned a verdict to her on account of her youth. The jury returned a verdict to the effect that Miss Rice died from poisoning by prussic acid, but that there was no evidence to show where she obtained it or how it was administered. They also exonerated Miss-Spencer from all blame, and were quite satisfied that she did not supply the poison.—The son of a Neasden medical practitioner, named George Reginald Snow (18), committed suicide in a subtice leaves a Federage Reginal Conductive W. by taking

in a public-house in Edgware Road, London, W., by taking prussic acid. Salt of Lemon was the lethal agent used by Clara Rose in the double tragedy at Bristol last week (C. & D., May 28,

p. 814). Spirit of Salt caused the suicidal death of Margaret Barker (20), kitchenmaid, Poplar.

(20), kitchenmand, Poplar.

Strychnine.—At the adjourned inquiry into the death of Mrs. Harriett Austin (C. & D., May 21, p. 793) the jury returned a verdict that "deceased died through inadvertently taking an overdose of strychnine contained in certain tabloids." Mr. F. H. Durnford, from Messrs. Pain & Bayles, chemists, Ipswich, stated that his firm had filled for deceased a prescription for tabloids each containing a thirtieth of a a prescription for tabloids each containing a thirtieth of a grain of strychnine.

Mr. T. W. HAZELBY, pharmacist, Christchurch, Hants, tollorcaders of the "Morning Leader" (which is running articles on substitution) that "advertisers are themselves the greatest 'substituters,' having killed the trade in certain commodities which were formerly in everyday demand."

ALUMINIUM, very finely powdered and suspended by means of glycerin, is used for internal hæmorrhages. It forms a coating on the mucous membrane. Escaline is a proprietary form of this remedy, each pastille containing from 2 to 5 grams of aluminium. No food is taken for at least two hours after administering the aluminium emulsion.

BILISAN, a remedy for liver-affections, has been examined by Dr. Richter, who finds it is a vinous rhubarb preparation. It is imitated as follows: Macerate rhubarb 8 parts, orange-peel 2 parts, cardamoms 1 part in sherry 100 parts; filter, and add one-seventh of the weight of sugar. Bilisan contains giveerin in place of the sugar.—Apot. Zeitung.

Legal Reports.

Trade Law.

"Perfection" Costs .- The question of the costs in the "Perfection" trade-mark action (Crosfield v. Lever) came before Mr. Justice Swinfen Eady on May 26 on a summons by the respondents to review taxation. They claimed to be the respondents to review taxation. They claimed to be allowed the costs of three counsel in the court below and in the Court of Appeal. The Taxing Master had only allowed two, but his Lordship said it was a distinctly heavy case of great monetary as well as legal importance and of general commercial interest. The evidence was exceedingly lengthy, and the case took ten days in that court and five in the Court of Appeal. He sent the matter back to the Master, with instructions to allow a third counsel and costs of the attendance of the country solicitor, also to make such alterations as he might think fit as to the quantum in relation to other items.

he might think fit as to the quantum in relation to other items.

"Famora" v. "Farina."—An action has been filed in the District Court of Colombo by Messrs. John Gosnell & Co. Ltd., Blackfriars Road, London, against Mr. Mylvaganam Sivaprakasam, Keyzer Street, Pettah, general dealer and amporter, in respect to "Famora" to liet-soap. The plaintiffs registered as a trade-mark in Ceylon the word "Famora" and device of a female figure holding up a mirror. The defendant sells soap not manufactured by plaintiff company, with the words "Caruda Farina soap." packed in white oblong cardboard boxes bearing a similar device and the words "Caruda Farina Toilet Soap" in letters similar to those used by plaintiffs, who also allege that defendant has imitated various other goods made by them, and has passed off his wares as belonging to the company, and thereby gained large profits. They estimate the relief claimed by them at Rs. 8,000, and ask for an injunction against defendant infringing their trade-mark, against selling soap with the mad "Rs. rie," wet of the plaintiffs, manufacture, and infringing their trade-mark, against selling soap with the word "Farina" not of the plaintiffs' manufacture, and passing off goods as belonging to plaintiff company which are not. An account of the profits and the usual other requests

are also made.

National Cash Register Case. — At the Liverpool Assizes on May 26, before Mr. Justice Hamilton and a specual jury, Robert Lawrie, a boot and shoe dealer, of Market Street, Burnley, sought cancellation of a contract with the National Cash Register Co., Ltd., for the purchase of a cash National Cash Register Co., Ltd., for the purchase of a cash register, and damages for a breach of warranty. The defendants denied that any warranty had been given, and counter-claimed for 21\(ldot\) due to them under the agreement. The plaintiff had purchased a minety-two guinea machine from the defendants, and after paying 78\(ldot\) in instalments he refused to pay more, on the ground that the same type of machine was being sold at a greatly reduced price. He also alleged that he had been tricked by the agent into signing the agreement, but in the course of the hearing plaintiff's leading counsel informed his Lordship that the allegations of frand agreement, but in the course of the hearing plaintiff sleading counsel informed his Lordship that the allegations of fraud were abandoned, and the plaintiff relied on the breach of warranty. Plaintiff admitted in cross-examination that the case was being fought by the National Cash Register Users' Association to the extent of ten guineas. His Lordship ruled that unless plaintiff could displace the agreement he was bound by it, and the agreement preclued him from setting up any verbal warranty. Without allowing the case to go to the jury by gare independ for the defortion of the country by the case to go to the jury he gave judgment for the defendants on the claim, and also on their counter-claim for 21/.

Use of Bottles as Measures .- A decision of much importance to retail chemists was given in the Divisional Court of the King's Bench on May 26 in the appeal case of Robinson v. Golding. The respondent, Golding, a seller of milk, was summoned at the instance of Mr. R. A. Robinson, jun., Chief of the Weights and Measures Staff of the County Council of Middlesex, for using an unstamped measure— Council of Middlesex, for using an unstamped measure—viz., an ordinary milk-can. Golding had been seen by Inspector Oldham to take an ordinary milk-can capable of holding a pint, to fill it from the tap of a milk-churn without using a stamped measure, and to sell the contents as a pint of milk. It was found that the milk-can was of the kind commonly used for the conveyance of milk, and not for the measuring of milk, and the Willesden Justices therefore dismissed the summons. But the Divisional Court has now held that this use of the can is, in law, using it as a measure, and that therefore the can ought to have been stamped as a measure. They therefore allowed the appeal, and directed the Magistrates to convict Golding. This decision will apply to the sale by measure of any liquid. If a chemist purports to sell a pint of lime-water or a quart of methylated spirit, he must fill a stamped measure direct from bulk and pour the contents into a bottle. It is not legal to fill the bottle direct vontents into a bottle. It is not legal to fill the bottle direct from bulk, gauging the quantity by the assumed capacity of the bottle, and to sell the contents as a measured quantity (see C. & D. Diary, 1910, p. 463).

"Ino" Soap and Lotion.-At the Liverpool Assizes on May 28, before Mr. Justice Hamilton and a special jury, a Birkenhead lady named Miss Mary Hannah Swift, recovered 378l. 6s. from Charles Joseph O'Toole and his two sons, John Charles O'Toole and Richard Crompton O'Toole, who carry on business at Birkenhead, Morecambe Bay, Bradford, and other places, as hair specialists, on the ground that the money had been obtained from her by undue influence. The plaintiff in September 1906 saw the "Hair King's" (John C. O'Toole) advertisement and consulted him about her hair. Ho O'Toole) advertisement and consulted him about her hair. Ho recommended her to go to the Ino Hydropathic Hotel, Morecambe Bay, which was kept by his father (an undischarged bankrupt). The defendants told her that they could cure her, and prescribed for her their Ino lotion and their Ino soap, which was to be used as an ointment. Various sums of money were obtained from her until her bank account was overdrawn, the plantiffs having obtained counter was to be used as the plaintiffs having obtained complete mastery over her. the plaintiffs having obtained complete mastery over her. When her money was done they induced her to remain as a servant. Mr. Herbert E. Davies, analytical chemist, stated in evidence that he had bought samples of the defendants' "Ino" soap and lotion and found the former to be ordinary soap mixed with sulphur and oxide of zinc. The lotion consisted of water containing a minute quantity of borax and boric acid. It would cost about three-tenths of a penny to make a gallon of the stuff. The defendants did not appear. His Lordship remarked before the jury found for the plainties. His Lordship remarked before the jury found for the plaintiff that if the plaintiff's story was true she had been the victim of a heartless and nefarious swindle.

High Court Cases.

[Unless where otherwise stated the actions are in the High Courts of Justice, London.]

Elliman's Book.

On June 2, before Mr. Justice Darling and a special jury, in the King's Bench Division, Messrs. W. H. Smith & Son, Strand, brought an action against Messrs. Elliman, Sons & Co., embrocation manufacturers, Slough, to recover money alleged to be due for printing and binding a book of directions. Defendants, in their defence, stated that the printing and binding were not up to sample, and paid a sum of money into court in respect of the copies they had accepted. Mr. Acland, K.C., in opening the case for the plaintiffs, said that in 1908, defendants, being desirous of sending out a book of instructions which should serve as an advertisement for their goods, wrote asking Messrs. W. H. Smith & Son what they would charge for printing sheets, ready for the binder, of the proposed book. Messrs. W. H. Smith & Son replied that they were willing to estimate for the sheets, but said that they could also estimate for the bound book. Subsequently the plaintiffs did make an offer to produce 50,000 volumes of 208 pages demy octavo, at the cost of 468l. for the printing and 637l. for the binding. That offer was accepted by the defendants, with the proviso that the whole of the 50,000 copies should be equal to the sample submitted to them in the estimate. Something like 13,000 volumes were delivered to the defendants under the contract, but they then refused to accept any more, on the ground that many of the copies were faulty, the printing in many of them being smeared and the binding not corresponding to that of the sample.

Mr. Acland asked the jury to observe that this was a cheap order where the printing and binding could not be expected to equal that of a book intended for a library.

Mr. Duke, K.C., for the defendants, said the price had been fixed by the plaintiffs, not by the defendants, who did not want a cheap book, but one that they could send out with credit.

Mr. Justice Darling suggested that, as the books had been bound and might possibly be of some use to the defendants, though of none to anyone else, there might be room for an arrangement.

Mr. Acland said his clients were willing to submit the

question to any person of position in the trade.

Mr. Duke said the question with his clients was whether they were to have a good advertisement out of the book or not. They did not wish to send them out at all.

After a short conference between the parties, however, it was announced that the case had been settled on terms not disclosed, Mr. Duke saying that plaintiffs had met his clients reasonably and taken some practical steps to meet the objections raised by them.

Pharmacy Acts.

Companies and Section 17.

At Clerkenwell Police Court on May 27, before Mr. Bros, the Pharmaceutical Society of Great Britain summoned Messrs. W. & I. George, Ltd., laboratory furnishers and chemical dealers, Great Charles Street, Birmingham, for selling at their premises at 33-37 Hatton Wall, London, E.C., on April 26, 2 oz. of corrosive sublimate to a person unknown to them, and without recording the sale in the poisons-book. Mr. W. S. Glyn-Jones, barrister, instructed by Messrs. Flux, Thompson & Quarrell, solicitors, appeared for the Society, and Mr. F. H. Woodcock for the defendant company.

Mr. Glyn-Jones, in opening the case, explained the nature of the offence, and stated that the purchaser of the corrosive sublimate was a Mr. John J. Harris, who was totally unknown to the defendants and was not introduced to them by a known person, nor was an entry of the sale made in the poisons-book as required by the Section.

Mr. Harris substantiated this statement in evidence, and added that he was served by a young man. In cross-examination the witness stated that the young man asked his name and the purpose for which he required the corrosive sublimate. He answered that it was for photographic purposes, and admitted that this was not so, as the purpose was to ascertain whether or not the Act was being observed.

Evidence for the prosecution was also given by Mr. H. Moon, of the Society's clerical staff, and Mr. Thomas Tickle, F.I.C., who proved that the substance supplied was mercuric chloride, and that the quantity was sufficient to kill 200 people.

Mr. Woodcock, in opening the case for the defence, said that he relied upon two legal points: first, that the defendants were a limited company, and as such were exempt from the provisions of the Act. In support of this he instanced the decision of the House of Lords in the case of the Pharmaceutical Society v. the London and Provincial Supply Association, Ltd.

Mr. W. S. Glyn-Jones pointed out that this decision did not cover Section 17, and he handed copies of the judgment to Mr. Woodcock and to the Magistrate, pointing out Lord Selborne's remarks to the effect that the provisions of Section 17 are a universal prohibition. Mr. Woodcock replied that this was merely a dictum, whereupon the Magistrate said that it would be good enough for him. Mr. Woodcock then added that he would rely also upon the exemption as to wholesale dealing contained in the Section.

Mr. Albert George, a director of the defendant company, was called, and stated that the company are laboratory furnishers and sold poisons only to contractors by wholesale. The only occasions when they sold in small quantities was when the contractors ran out of stock. The company's assistants were properly instructed as to the sale of poisons.

At this point the Magistrate remarked that if the defence sought to prove that the sale came within the exemption as to wholesale dealing he would adjourn the case.

Mr. Glyn-Jones remarked that Mr. Woodcock would have to prove that the sale was to a retail dealer.

The Magistrate: He has got to bring himself within the exemption.

The hearing was adjourned accordingly.

Customs Consolidation Act, 1877.

UNCUSTOMED SPIRITS.

At the Marlborough Street Police Court, London, before Mr. Denman, on June 1, William Henry Hartley, manufacturing chemist, Foley Street, W., was sunmoned for harbouring and concealing uncustomed goods—to wit, $11\frac{7}{10}$ gals. of foreign manufactured spirits. Mr. T. H. Ward prosecuted on behalf of the Customs and Excise Commissioners, and Mr. H. G. R. Soames appeared for the defence. Mr. Ward said the spirits consisted of a sort of liqueur, the percentage of alcohol being 52.5.—Mr. A. W. Cope, preventive inspector of Customs and Excise, deposed that when he called on the defendant on April 13 and asked him whether he had any spirits or preparations containing alcohol, he replied, "No. The only spirits I have have been bought in London." When told that his

place would be searched he said, "I am sorry I did not tell you I have about twenty cases of bitters which contain a large percentage of spirit." He added that he had only recently come from South Africa, that forty or fifty cases of his belongings had been sent to Canada, and that, without being unpacked, the cases were sent from Canada to this country. When they arrived in England he had no idea that some of them contained dutiable spirits.—The defendant stated in evidence that he had no intention to conceal the goods, and had no intention to defraud therevenue. Mr. Denman found the charge proved, and imposed a fine of 251., with two guineas costs.

Gazette.

Partnership Dissolved.

COOMBE, F. W., and DEWDNEY, F. W. R., Heron Road, Herne-Hill, London, S.E., liquid-glue manufacturers, under the style of The Adhesives Supply Co.

The Bankruptcy Acts, 1883 and 1890.

Adjudication.

CAIRNS, WALTER JAMES, Stockton-on-Tees, analytical chemist.

Bankruptcy Reports.

Re James Arthur Dawes-White, 174 Kingsland Road, N.E., Drug-stores Keeper.—The public examination of this debtor was held at the London Bankruptcy Court on May 31. The accounts showed liabilities 3611. 13s. 11d., and assets valued at sufficient to yield a surplus of 201. 17s. 7d., after payment of the debts. In reply to Mr. Egerton S. Grey, Official Receiver, the debtor stated that in 1882 he and a partner purchased the above business for 1801.; the partner retired in 1894, and witness had since continued the business, which was successful until August 1906, when owing to a severe accident he was away for nearly a year, and the business suffered in consequence. In February last the mortgagee of a house purchased by witness in 1894 obtained judgment against him for 12!. 10s., arrears of interest; execution was levied on April 1, and a few days later witness filed his petition.

12!. 10s., arrears of interest; execution was levied on April 1, and a few days later witness filed his petition.

Re Walter Smith, 19 St. Mary's Street, Bedford, Chemist and Druggist.—This debtor was examined at Bedford on May 24, on accounts showing gross liabilities amounting to 508l. 17s. 8d.; unsecured liabilities with ninety-two ereditors, 485l. 11s. 9d.; assets, 62l.; preferential elaims, 23l. 5s. 11d.; and a deficiency of 446l. 17s. 8d. It was stated that the debtor was for nine years manager for Boots, Ltd., at St. Mary's, Bedford, and in June 1905 he went into business for himself in the same street. He had no capital, and borrowed 50l. from his wife's mother, from whom he had altogether 254l. Debtor admitted that practically all his trade debts had been incurred since he knew he was insolvent, but he hoped that trade would improve, and that his mother-ialaw would not press him. A year ago he estimated that ho was 355l. 1s. 7d. to the bad, and since then he had incurred fresh debts, but not, he thought, in the last six months. Heattributed his failure to bad trade and want of capital of his own. His trade creditors knew his position, as he had told them that he should want long credit. The examination was adjourned.

Deeds of Arrangement.

Penman, Edward Wright, 92 Ormonde Street and 3 Snffolk Street, Jarrow, Chemist and Druggist.—Trustee, W. J. Charlton, 7 Grant Street. Dated May 19; filed May 25. Liabilities unsecured, 225*l.*; estimated net assets, 57*l.*. Among the creditors are: Thornton-Pickard Manufacturing Co., Ltd., Altrincham (10*l.*); and Pittuek & Snowdon, Neweastlo (55*l.*).

Rugg, Walter James, Bures Saint Mary, Suffolk, Chemist.—Trustee, G. S. M. Moger, Halstead. Dated May 23; filed May 30. Liabilities unsecured, 1077.; estimated net assets, 587. Among the creditors are: British Drug Houses, Ltd. (227.); May, Roberts & Co., Ltd. (171.); Briedenbach & Co. (121.).

Business Change.

MR. HENRY WHEELER, import and export commission merchant. 9 Great Tower Street, London, E.C., announces that he has taken his son, Mr. Arthur Thomas Wheeler, into partnership, and that the business will be carried on as Henry Wheeler & Son.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

CATESBY'S, LTD. (P.C.).—Capital 137,5001. Take power to trade inter alios as druggists. R.O., 64-67 Tottenham Court Road, W.

ANTISEPTIC TEETH INSTITUTE, LTD. (P.C.).—Capital 1001. To carry on the business of manufacturers, litters, restorers, fillers, remodellers, and extractors of teeth, etc., and to adopt an agreement with F. C. Farley. R.O., 319 High Street,

ROBERT ROWELL, LTD. (P.C.).—Capital 2,0001. To carry on the business of seed-crushers, manufacturers of linseed, cotton and other cakes, oil extractors and refiners, floor-coverings, etc. The first directors are R. Rowell (permanent),

R. P. Rowell, and J. Laverick.

Hygienic Tin Sealing Co., Ltd.—Capital 15,000l., in 1/.

HYGIENIC TIN SEALING CO., LTD.—Capital 15,000l., in 1l. shares. Objects: To carry on the business indicated by the title, and to adopt an agreement with D. Thompson, W. Fyfe, and W. Waller. The first directors are G. Holloway, B. Green, W. Waller, D. Thompson, and W. Fyfe.

B. W. HAIR & SON, LTD. (P.C.).—Capital 3,000l. To take over the business of drug merchants and importers carried on at College Chambers, High Holborn, as "B. W. Hair & Son."
T. E. Stephens, Woodthorpe, Purley, Surrey, barrister.
T. E. Stephens is sole governing director for life. Qualification 100 shares. B. O. College Chambers, 2494 High Holborn. tion 100 shares. R.O., College Chambers, 249½ High Holborn,

R. M. D. SYNDICATE, LTD. (P.C.).—Capital 2,0001., in 11. R. M. D. SYNDIGATE, LTD. (P.C.).—Capital 2,0007., in 16. shares. Objects: To take over the benefit of a secret process for a material which can be used for various purposes for which wood, glass, celluloid, papier maché, iron and other metals, vulcanite, rubber, earthenware, and similar substances are now used, etc., and to adopt an agreement with A. R. Muller, P. Wigham-Richardson, A. S. Bates, J. A. Innes, W. H. Cumming, and J. C. Duncan. R.O., 9 Grace-land. church Street, E.C.

church Street, E.C.

ELSA PROPRIETARY CO., LTD.—Capital 100,000l., in 1l. sharos. To take over the business of an apothecary, chemist, and druggist carried on by E. V. Feller at Stubica and Agram, Croatia, Hungary, together with the goodwill, trade names and recipes for the pharmaceutical and other preparations manufactured by him, including the eurative medicine "Elsa Fluid," and to adopt an agreement with E. A. Tupper. Minimum cash subscription, 100 shares. The first directors are J. Wylde, 50 and 52 Union Street, Southwark; H. Heger (Secretary, Austrian Pharmaceutical Society): W. O'Malley, M.P., 146 Warwick Street, S.W.; and R. S. Price, Finsbury Court, E.C. (chairman, R. S. Price, Ltd.). Qualification 250l., Remuneration 100l. each per annum (chairman 200l.), and 5 per cent. of the profits after 10 per cent. dividend is paid. R.O., 6 Holborn Viaduct, E.C.

Company News.

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BRITISH MACHINE BOTTLE Co.—Liquidator's report at mcctang at offices of Messrs, W. II. Shaw & Son, Market Place, Dewsbury, on July 1, at 3 P.M.

KEPLER MALT-EXTRACT Co., LTD.—To be voluntarily wound up. Liquidator, Mr. J. C. Smith, 74 Myrtle Road, Acton, London, W. Liquidator's report at meeting to be held at Snow Hill Buildings, London, E.C., on July 1, at 11 A.M. [This is purely formal, Mr. Henry S. Wellcome being the owner of the business.]

THE ELSA PROPRIETARY Co., LTD.—The "Financial Times" somewhat severely criticises the public issue of this company's shares, and says: "A proprietary-medicine business must always be regarded as having a considerable speculative element in it, and the company appears to be paying a tairly high price for the business."

VIROL, LTD.—The report of the directors for the year ended VIRCI. LTD.—The report of the directors for the year ended March 31 states that the sales have been the largest in the ustory of the company. The accounts show a gross profit of 28,410l., the net profit, including the amount brought forward (4,211l.), being 26,058l. After deducting debenture interest and eost of advertising, there remains a balance of 248l. The directors recommend the payment of a dividend 15 per cent. carrying forward 5.048l. f 5 per cent., carrying forward 5,0481.

R. White & Sons, Ltd.—The report for the year ended voember 30, 1909, states that the balance-sheet embodies be completion of the scheme for the reduction of capital, and ow that the business is organised on a better basis, they look orward with confidence, if weather-conditions become favourable, to a more prosperous state of affairs than has obtained a recent years. The bankers' loan has been repaid, and the 0,000. "B" debenture stock, which was issued as security, turned to the company. The amount to the credit of profit-nd-loss is 1,062!, which the directors propose to carry for-ard. Boots Cash Cremists (Eastern), Ltd.—The directors announce an interim dividend of 7\frac{1}{2}d. per share, free of income-tax, on the ordinary shares for the first quarter of 1910-11, payable July 1. In the report for the year ended March 31 the profit-and-loss account shows a net profit of 23,192l., to which has to be added the balance of 10,304l. from last year, making together 33,497l. Dividends have already been paid—on preference shares, 6 per cent.; on second preference shares, 5 per cent.; and on ordinary shares, 12 per cent., free of income-tax, in each case per annum. These are recommended for confirmation. The directors also recommend to carry to contingency fund 500l.; pay management expenses for the year, including managing director's remuneration and directors' fees, free of income-tax, 750l.; add to branch managers' (chemists) provident fund 1,000l.; donations to medical charities, 100l.; and carry forward 10,547l. The increase in local rates and the poor season for the mineral-water trade last summer are referred to as drawbacks on profits, but the directors consider that the variety in the class of business dealt with has much to do with the steadiness of profits—39,400l. gross, or 1,000l. more than last year. than last year.

Mortgages and Charges.

Under the Companies (Consolidation) Act, 1908, Sec. 93, the mortgages or charges therein specified are except in Scotland) void against the liquidator and any creditor of the company unless filed with the Registrar in accordance with the conditions laid down in the Act. The following have so been filed and, except where otherwise stated, are charged on the company's undertaking and property, present and future, including uncalled capital.

future, including uncalled capital.

Berlins, Ltd.—Particulars of 500l. debentures, created May 5, 1910: present issue, 250l.

Dental Manufacturing Co., Ltd.—Particulars of 40,000l. debentures, created August 5, 1908; present issue, 14,100l.; filed May 14, 1910, pursuant to order of Court.

APLIN, THACKERAY & Co., Ltd.—Mortgage or charge dated May 23, 1910, securing all moneys due or to become duo from the Company to the Royal Bank of Ireland, Ltd., not exceeding 200l., charged on 83 Queen Street, Dublin.

Tansan Mineral Water Co., Ltd.—Chargo on uncalled capital of 10s. per share in respect of 7,150 preference shares, dated May 13, 1910, to secure all moneys due or to become due from the Company to the Capital and Counties Bank, Ltd., 39 Threadneedle Street, E.C., not exceeding 12,500l. Ltd., 39 Threadneedle Street, E.C., not exceeding 12,500%.

Japanese Jottings.

(From the "C. & D." Correspondent.)

THE revised Patent-medicine Tax Law, as passed by the Diet, was gazetted on May 24.

SIR FELIX SEMON, M.D., gave a lecture on nose and throat affections at the third annual meeting of the Japanese Medical Conference at Osaka on April 1.

ARTIFICIAL MUSK is being smuggled into Japan from France on a large scale, and the Yokohama Customs authorities are busy endcavouring to locate it.

Physicians Abroad.—According to official returns, there are 1,904 Japanese physicians practising abroad, 1,076 of whom are males and 828 females. Out of these, 176 are in Korea, 480 in China, 259 in the United States, 65 in Russia, and 42 in Singapore. No Japanese medical practitioner has up to the present resided in British India.

SAKE .- According to the report of the Hygienic Laboratory, almost all Japanese sake brewers use saccharin or formalin as preservatives. About 24 per cent. of the sake manufactured is adulterated. The Home Office has issued an Ordinance which allows the use of salicylic acid in sake until the end of September 1919. The question has excited considerable controversy in Japan.

Recent Will.

Mr. Robert Lamont, F.I.C., 32 London Road, Kilmarnock, drysalter, chairman of Utilitarium, Ltd., who died on January 1, aged fifty-nino years, left, in addition to real estate of an estimated capital value of 6,000%, personal estate in the United Kingdom valued at 37,732%. 15s. 2d., of which his interest in Utilitarium, Ltd., is valued for probate at 4,800%.

National Chamber of Trade.

THE twelfth annual meeting of this Chamber com-menced at Bradford on Friday evening, May 27, with a reception; and on Saturday morning a civic welcome was given to the delegates in the new council chamber of the Town Hall, where the business meetings were held. At the afternoon meeting Councillor D. Dickinson, of Blackpool, was elected President, and among the officers re-elected was Mr. R. C. Walshaw, Ph.C., of Huddersfield, as a Vice-President and member of the General Purposes and Parliamentary Committee. Among the subjects touched upon at the annual meeting was that of co-operative trading, and it was stated that the co-operative societies had made no less than upwards of twelve millions sterling last year. These societies, it was pointed out, contributed nothing like their due proportion to the rates, and it was high time that legislation was brought forward to change the method of the incidence of taxation. annual Trade Conference was held on Monday. One of the subjects discussed was

THE SALE OF PROPRIETARY ARTICLES.

The Huddersfield Chamber of Trade submitted the following motion:

"That this Chamber views with great disfavour and strongly condemns the recent newspaper articles dealing with

strongly condemns the recent newspaper articles dealing with the question of substitution in connection with the sale of proprietary articles by retail traders.

"It further considers that, if the manufacturers of pro-prietary articles of every kind would only protect the retail price of their goods so that the distributor was fairly re-munerated for his services, other goods of a similar nature leaving a fair margin of profit would not be offered to the public when the advertised progretary articles were asked public when the advertised proprietary articles were asked for.

To this the Bradford Chamber of Trade proposed the addition of the following:

"Further, that manufacturers of protected proprietary articles should be strongly urged to insist that in regard to retail sales of their goods by dividend or bonus-giving concerns, the amount of the dividend or bonus so given to the purchaser should be added to the fixed minimum retail price, in order to put such concerns on an equal footing with the individual retailer."

Mr. R. C. Walshaw introduced the subject, and said that the articles which had appeared in the Press relating to substitution were quite unjustifiable and unwarranted, and no protest which the Chamber could make against them could be too strong. Certain newspapers who were interested parties, seeing that their huge revenues were derived from advertisements—generally of proprietary articles—had attacked retail traders in regard to what they called substitution in the sale of proprietary articles. They had called the retailer little less than a rogue for what? Simply for supplying to his customer what he considered to be the best value in the particular line of goods he dealt in, and in recommending to his customers goods of which he had knowledge. The very newspapers which made these attacks, judging from some advertisements he had seen in their columns, seldom or never inquired into the merits of the articles advertised for salc. He considered that it was quite time the National Chamber of Trade, on behalf of the retailers generally who dealt in proprietary articles, should make a strong protest against the periodical attacks on its members. With regard to the second part of the resolution, he had always been a strong advocate of price protection of proprietary articles. The sale of these articles in this country had largely increased of late, and those goods formed an excellent article for cutters to interfere with legitimate traders. Retail traders had many goods of their own to sell, and when they came to sell goods for proprietary article manufacturers he thought it was only fair that an adequate amount of profit should be secured to them. He contended that it was the duty of the manufacturers to fix the price at which their goods should be sold, and that they should maintain that price, and see to it that, after expenses of stocking the article and so forth had been allowed for, there should be a reasonable profit remaining. The

Huddersfield Chamber, he added, had agreed to the proposed addition by the Bradford Chamber. He submitted that it was not even common fairness on the part of co-operative societies and bonus-giving concerns to break down the fixed prices, and he thought the manufacturers should see to it that the protection given to their retail dis-tributors should not be evaded in the manner it was evaded by co-operative societies.

Mr. Fred. Pickering, Hon. Secretary of the Bradford' Chamber of Trade, seconded the resolution. It was sup-

ported by Mr. Spencer, of Barrow.

Mr. Rayner, of Smethwick, moved the deletion of the second part of Huddersfield's motion, because he did not sce any reason for its insertion. He said that the defect in regard to this matter was of the retailers' own seeking. He turned his shop into a free posting station for pro-prictary articles, and then grumbled when things were not to his liking. A retailer would plaster his shop with posters and showcards advertising certain named goods of proprietary article manufacturers, but he firmly believed that what the retailer should do was to push his own preparations and goods as being the best in the world, and never mind the proprietary articles. Proprietary article firms usually adhered to the fixed price until the goods were well on the market, and then they punished the retailer by allowing reductions to be made.

Mr. Walshaw, in his reply upon the discussion, said Mr. Rayner had appeared to suggest that proprietary articles should not be stocked at all, but Mr. Rayner explained that he did not wish the Chamber to carry out any opposition to proprietary articles, because it was perfectly right that people should sell these things. What he particularly meant to emphasise was the foolishness of training customers to ask for So-and-so's preparations. The

resolutions were carried unanimously.

OTHER BUSINESS.

Among the other resolutions which were discussed was one in regard to the attempts by guilds throughout the country to extort special discounts from retailers for their members, and this practice was deprecated. Resolutions advocating alterations in the system of assessment for rating purposes on the basis of ability to pay, and not upon rental, were passed forward for consideration by the Parliamentary Committee, as were also three resolutions relating to co-operative trading.

The local chemists' association took part in assisting in the work of organisation and in helping to secure the comfort of the visitors. A special display of fine chemicals was made by Messrs. Harrison, Parkinson & Co., of Sunbridge Road, for the benefit of delegates who desired to see them, and Mr. W. K. Jackson, chemist and druggist, a member of the firm, acted as chief steward at several of

the social functions.

New Books.

Any of these books printed in the United Kingdom can be supplied, at the published price, to "C. & D." subscribers on application (with remittance) to the Publisher, 42 Cannon Street, London, E.C. These notes do not exclude subsequent

Groves, E. W. H. Synopsis of Surgery. 2nd edit. 7½×5 p. 588. 9s. 6d. net. (Simpkin.)

Haig, H. A. The Plant Cell: its Modifications and Vito Processes. 8×5. Pp. 220. 6s. net. (C. Griffin.)

Hinton, A. H. Practical Pictorial Photography. Part. 7½×4¾. Pp. 70. 2s. 6d. net. (Hazell.)

Hutchison, R., and Collier, H. S. Eds.—Index of Treatmen
By various writers. 5th edit. 3¾×5½. Pp. 942. 21s. ne (Simpkin.)

Perkin, F. Mollwo. Qualitative Chemical Analysis Organic and Inorganic. 3rd edit. Pp. 337. 4s. 6 (Longmans.) [Part I. of the book treats with inorgan analysis, commencing with dry reactions and reactions solution, then passing on to the analytical groups and acid. This portion (200 pages) concludes with analytical tables at a charter on rear almosts. Organic analysis is the subjection. a chapter on rarer elements. Organic analysis is the subjection of Part II. Carbon compounds are dealt with in subdivision according to their chemical nature. The appendix gives solubilities and suitable strengths of reagents.]

Births.

ANDERSON.—At 223 Chester Road, Sunderland, on May 31, the wife of R. Anderson, F.C.S., of a son.

May.—At Whitehead, on May 26, the wife of Thomas J. May, of a daughter.

MILNE.—At 274 Blackness Road, Dundee, on May 29, the wife of James Robertson Milne, chemist and druggist, of a son.

Marriages.

Mackay—Miller.—At Cape Town, South Africa, on May 25, by the Rev. Dr. McClure, Neil Mackay, chemist, Salisbury, Rhodesia, to Mary Speirs, eldest daughter of Mr. John Miller, Kilmacolm.

Willing—Dryden.—At St. John's Church, Bulawayo, on April 30, by the Ven. Arehdeacon Upcher, Justin W. Willing, manager of the wholesale department of Lennon, Ltd., to Miss Annabella Dryden, of Glasgow.

Deaths.

BAKER.—At Dalhousie, Stevenage, on May 7, Mr. Charles Frederick Baker, chemist and druggist, senior partner of

MR. C. F. BAKER.

Messrs. Smith, Stanistreet & Co., Calcutta, aged fifty-two. Mr. Baker had been ailing for two or three years, and wintered at Stevenage, but he was not regarded as seriously ill, and the end came rather suddenly. He was a native of Hitchin, and after his education at Bedford he was apprenticed to Mr. N. H. Martin, Ph.C., Hitchin (now of New-castle-on-Tyne), where he had so thorough a training in pharmacy and business knowledge that he always regarded this as the starting-point of his successful career. After his apprenticeship

Mr. Baker extended his experience as an assistant in Nottingham, Scarborough, and the Isle of Wight. He passed the Minor examination in December 1880, and soon after became an assistant with Messrs. Hooper & Co., Russell Street, Covent Garden, where he remained until 1882, when he went out to Calcutta as junior assistant to Messrs. Smith, Stanistreet & Co., of Dalhousie Square, Mr. Symington being the working partner then. The fact that Mr. Baker died senior partner of the firm indicates how well he worked, he having taken Mr. Symington's place as senior partner when the latter retired some ten years ago to reside in Scotland. Mr. Baker was well known in Caleutta—indeed, throughout India. He came home periodically, and on several occasions attended the meetings of the British Pharmaceutieal Conference. At one of these (Dublin, 1901) he spoke for Indian pharmacy, and in the course of the meeting entertained a large company to dinner in truly Oriental fashion. He was twice married, and is survived by his second wife, a Monifieth lady. Colonel W. T. Grice, F.C.S. (son-in-law of Mr. Symington) has been a partner in the business for ten years, and has been managing it since Mr. Baker's indisposition commenced.

BLACKWELL.—"The Times" of June 2 contains an interesting article on Elizabeth Blackwell, M.D., who died at Rock House, Hastings, on May 31, in her ninetieth year. She was the first woman to become a fully qualified medical practitioner, and the first woman whose name was placed (in 1859) on the Medical Register of this country. She was an Englishwoman, having been born at Bristol

on February 3, 1821. Her father was a sugar refiner, and in 1832 emigrated to the United States. In 1847 she entered the medical school of the University of Geneva, in the State of New York, where she graduated as M.D. in 1849.

BARKLIE.—At Belfast, on May 27, Mr. Robt. Barklie, F.C.S., M.R.I.A., public analyst of Belfast and of the

counties of Antrim, Donegal, Tyrone, and Derry, and for over twenty Poor-law Unions, aged seventy-three. Mr. Barklie had driven into the city from his residence, when he expired in his laboratory in Fountain Street a few minutes after he arrived. He was a native of co. Antrim. He entered for his degree as a Bachelor of Science at the Royal University in Dublin, and obtained an honours pass. Subsequently he was an instructor and "coach" in the neighbourhood of Dromore, and afterwards came to Belfast, where, in public and professional life, he at once



MR. BARKLIE.

took up and maintained the position to which his high attainments entitled him. In connection with the Belfast Working Men's Institute Mr. Barklie was for many years actively identified as instructor in chemistry. About twenty years ago Mr. Barklie was appointed as lecturer for pharmaceutical candidates, and he gave these lectures at the Working Men's Institute. His first public appointment as analyst was for Lisburn, and he held the office until his death. He became a member of the Belfast Corporation in 1889, resigning in 1899. He received his appointment as city analyst for Belfast in 1900, in succession to the late Professor Hodges, and discharged the duties with conscientiousness and care till the end. As a breeder of cellies Mr. Barklie enjoyed an international reputation, his services being frequently requisitioned as a judge. He leaves a widow, one son, and two daughters. The funcral took place on May 30 at the City Cemetery, and was very largely attended.

Bassano.—At 45 Empress Road, Derby, on May 28, Mr. Francis William Bassano, chemist and druggist, of the

Derbyshire Royal Infirmary, after an illness of about five years' duration, and three months' absence from his post as head of the dispensary staff. Mr. Bassano passed the Minor Examination in July 1885, and was on the bright side of fifty. Before going to Derby twenty years ago, he had been with Messrs. Savory & Moore, London, and Mr. Richard Fitzhugh, Nottingham. A local pharmacist writing of him says: "His work at the Derbyshire Royal Infirmary has been particularly fortunate, for while the



MR. F. W. BASSANO.

increasing demands upon the charity were making it necessary, Mr. Bassano was quietly working and whipping into shape a wonderful system to enable the dispensary to cope with upwards of 14,000 patients each year, apart from other details a pharmacist is called upon to deal with in a large hospital. Mr. Bassano was a finished pharmacist and was respected for his ability and wide knowledge."

Gibson.—At Battle Hill, Hexham, on June 1. Annie, wife of Mr. John Pattison Gibson, chemist and druggist, aged seventy-three.

HARRHY.—On May 12, Mr. E. H. Harrhy, proprietor for the past twelve years of the old-established pharmacy of Messrs. Coatsworth & Co., Old Town, Clapham, and earrying on business by that style until recently.

HOLGATE.—At 2 Peveril Drive, The Park, Nottingham, on May 31, Mr. Sam Verity Holgate, chemist and druggist, aged fifty-seven. Mr. Holgate qualified in 1874 and was in business in Long Row, Nottingham, but the shop was

closed some years ago.

Koch.-Dr. Robert Koch, F.R.S., the eminent bacteriologist, died at Baden-Baden on May 28 from heartdisease. He was in his sixty-seventh year. Dr. Koch in 1866 graduated in medicine at the University of Göttingen, and soon after became health officer at Wollstein. Early in the 'seventies he became associated with Professor Frederich Cohn of Breslau in the study of microorganisms, especially those of a pathogenic nature, and in 1876 obtained a pure culture of Bacillus anthracis, definitely establishing that it is the cause of anthrax. years later Pasteur (who was the first to recognise the bacillary nature of anthrax) prepared a preventive vaccine for the malady. Koch's work on anthrax attracted the attention of men of science in every country, and the Prussian Government offered him an appointment in the public sanitary service, which left him free to pursue his researches. He applied himself for several years to the improvement of bacteriological methods, and introduced the solid-culture media and the plate methods by which the separation of mixed bacteria and the attainment of pure cultures of each form were rendered possible. Koch also studied septicæmia in mice, pigeons, and other animals, but from these he soon turned to that of tuberculosis, and in 1882 was able to announce the isolation and identification of the tubercle bacillus, which is now inseparably associated with his name. In 1883 he was directed to proceed to Egypt and India in order to study the bacteriology of Asiatic cholera, with the result that he discovered the so-called "comma" bacillus which is the active agent in the production of the disease. He returned in the following year, and in 1885 he was appointed Professor of the Faculty of Medicine and Director of a new hygienic institute which was attached to the University of Berlin. At the beginning of 1890 he announced that his researches into the life-history of the tubercle bacillus had led him to the discovery of a preparation (tuberculin) which would be curative against its ravages. His hopes in regard to that were too high, or his statements were exaggerated; but tuberculin remains a good diagnostie agent and a curative medium in glandular At the International Congress of Tubertuberculosis. culosis in London in 1901 he stated that bovine and human tuberculosis are not intercommunicable. This eaused indignation as well as surprise, and a Royal Commission was appointed by this country, which disproved his theory. He visited South Africa, East Africa, and other countries to investigate specific infectious diseases, with doubtful results-except upon his own body, as the hard work in tropical climates ruined his health.

LINDSAY.—At 52 High Street, Peobles, on May 28, Mr. Robert Lindsay, J.P., chemist and druggist, aged sixty. Mr. Lindsay had been in indifferent health for some years, but his fatal illness lasted for a few days only. He was well known to chemists in Scotland, and even out of it, for he frequently attended the meetings of the British Pharmaceutical Conference. He was one of the party which went to Paris from Brighton and visited the sights there under the guidance of our Paris correspondent. took an active part in municipal affairs, and for a number of years was treasurer to the Peebles Police Commissioners, while at the time of his death he was an Honorary Sheriff-Substitute for the County of Peebles.

MacDonald.—At Glasgow, on May 23, Mr. Angus Mac-Donald, chemist and druggist, aged sixty-one. MacDonald passed the modified examination in 1874.

Mayger.—At Northampton, on June 1, Mr. William David Mayger, chemist and druggist, who had been in business at 6 Regent Square, Northampton, for fifty-eight

Palin.—On May 15, Mr. William Horatio Stokoe Palin, chemist and druggist, 6 Argyle Square, Sunderland, aged eightv.

PARKINSON.—At Cannes, on May 23, Mr. Percy Richard Parkinson, M.A., M.B., youngest son of Mr. Isaiah Parkinson (R. Parkinson & Sons, wholesale chemists, Burnley), aged thirty. Dr. Percy Parkinson studied at Cambridge, where he graduated in arts, and continued there and at St. Bartholomew's Hospital as a student of medicine. He took his double qual. diploma in 1905 and his M.B., B.C., Camb., in 1907. He was for some time house surgeon and physician in the West London Hospital, and published some observations on the secretion of adrenalin in relation to blood-pressure.

Chemical Society.

MEETING was held at Burlington House, Piccadilly, A London, W., on May 26, the chair being taken by the President, Professor H. B. Dixon, F.R.S. The President announced that the Council of the Society proposed to present an address of condolence and congratulation to H.M. King George V. The terms of this address were read to the meeting and accepted. The Council had also forwarded a message of sympathy to the relatives of the late Dr. Canizzaro. The other announcements made were that the banquet to Past Presidents had been postponed to November 11 and that Professor Theodore Richards had been invited to deliver the Faraday lecture, if possible on November 10 next. The first paper was a communication from the Wellcome Chemical Research Laboratories on

THE CONSTITUENTS OF THE LEAVES OF PRUNUS SEROTINA. By Frederick B. Power, Ph.D., and Charles W. Moore, Ph.D.

A little more than a year ago the present authors communicated to the Chemical Society (C. & D., lxxiv. 257) the results of an investigation of the bark of Prunus serotina, Ehrhart, commonly known as wild-cherry bark. It was then shown that the cyanogenetic compound contained in the bark is l-mandelonitrile glucoside, which, together with a number of other substances, was isolated in This cyanogenetic glucosido (sometimes a pure state. known as "Fischer's glucoside," on account of having first been obtained by Emil Fischer by the partial hydrolysis of amygdalin) had only once previously been observed to occur in nature—namely, in the twigs of Prunus Padus, Linné. In view of the fact that different parts of a plant frequently show very considerable differences with respect to their constituents, it was deemed of interest to subject the leaves of Prunus serotina to a complete examination, especially as the only information concerning these leaves was the observation recorded more than fifty years ago by Procter ("Proc. Amer. Pharm. Assoc.," 1858, 6, 325) that when macerated with water and distilled they yielded a volatile oil and hydrocyanic acid. The material employed for the present investigation was collected under the personal supervision of Professor J. U. Lloyd, of Cincinnati, Ohio, and was therefore known to be perfectly authentic. A quantity (12.6 kilos.) of the air-dried leaves was first completely extracted with hot alcohol, the greater portion of the alcohol then removed, and the resulting extract distilled with steam, when a very small amount of an aromatic essential oil was obtained. The portion of the alcoholic extract which was insoluble in either hot or cold water consisted of a green resin, and amounted to 5.5 pcr cent. of the weight of the leaves. From the resin the following definite compounds were isolated: hentriacontane $(C_{31}H_{64})$, pentatriacontane $(C_{35}H_{72})$, ceryl alcohol $(C_{27}H_{86})$, palmitic, stearic, linolic, and iso-linolenic acids, a little of the dihydric alcohol, ipuranol, $C_{23}H_{36}O_2(OH)_2$, and a new crystalline substance, $C_{31}H_{48}O(OH)_2$ (m.p. 275°-277°), which has been designated prunol, with reference to the generic name of the plant. Prunol is isomerie with a substance isolated in these laboratories about two years ago from olive-leaves (compare Power and Tutin, C. & D., lxxii., 766), which was designated oleanol, and the two compounds are evidently closely related. It yields a colour-reaction similar to that given by the phytosterols-namely, when dissolved in acetie anhydride, and a little sulphuric acid added, a pink coloration is first produced, which soon changes to violet, then blue, and finally becomes green. The portion of the alcoholic extract which was soluble in water, and from which the resinous material had been removed, contained

benzoie acid, quercetin, $C_{15}II_{10}O_{7}$, a new glucoside of quercetin, $C_{21}H_{20}O_{12}$, $3II_{2}O$, designated as serotrin, and l-mandelonitrile glucoside, together with a quantity of sugar and tannin. The aqueous liquid, when finally heated with dilute sulphurie acid, yielded l-mandelie acid, which had evidently been formed by the hydrolysis of l-mandelonitrile glucoside. The leaves contain, furthermore, an enzyme which is capable of hydrolysing β -glucosides. The results of the present investigation have shown, as was anticipated, that although the leaves and the bark of Prunus serotina possess certain constituents in common, there are nevertheless appreciable differences. Both parts of the plant contain, however, the same cyanogenetic compound—namely, l-mandelonitrile glucoside.

THE MECHANISM OF TAUTOMERIC CHANGE

Mr. Tizard pointed out that up to the present two views had been held on this subject, one school of investigators taking the position that the rapidity of the change is due to the concentration of ionised material present, and the other the view that it is proportional to the quantity of non-ionised substance. The present paper was devoted to showing that the first view is untenable, since many reactions of this nature are accelerated by agents which cause association rather than dissociation of a tautomeric substance.

A New Sulphide of Nitrogen was then described by Mr. F. P. Burt. It was obtained in minute quantities as a thin blue film when ordinary nitrogen pentasulphide was volatilised over silver gauze, or under certain conditions when it was heated alone in glass tubes.

The Action of Sulphuric Acid on Potassium Chlorate was then discussed by Mr. S. Smith, who showed that if potassium chlorate was added gradually in small quantities to boiling sulphuric acid no explosion occurred; oxygen and chlorine were evolved in quantities depending on the conditions of the reaction, and potassium perchlorate was formed. It was found in a series of trials that the explosive character of the action of the acid on the chlorate at first increased with rise of temperature, and reached its maximum at about 130°; then diminished again, becoming nil at the boiling-point of sulphuric acid.

A THIRD ALKALOID OF ERGOT was the title of the last paper, contributed by Drs. Barger and Dale.

Personalities.

Notes for this section must not be in the nature of advertisements, and they should be authenticated when sent to the Editor.

We reported last week that the new President of the American Pharmaceutical Association is Mr. Eugene G.



MR. E. G. EBERLE.

Eberle, of Dallas, Texas, but he is not new to the work, for he presided at the meeting last year owing to the absence, through illness, of Pro-fessor Oscar Oldberg, President. Mr. then Eberle, whose portrait we now give, is editor of the "Southern Pharmaceutical Journal," published at Dallas, and Dean of the department of pharmacy at the Baylor University. He graduated at the Philadelphia College of Pharmacy and had experience in Madison, Wis., Gainesville, and Honey Grove, Texas, acting as afterwards director and secretary of

the Texas Drug Co.

Mr. J. H. Collins, chemist and druggist, Mansfield, has been appointed a co-optative trustee of Brunts' Charity.

Mr. W. J. TALINTYRE, chemist and druggist, has joined the representative staff of Messrs. Menley & James, Ltd., Farringdon Road, E.C.

Mr. A. E. Holden, of Messrs. Fairchild Bros. & Foster, was, on May 21, at the Royal Middlesex Chapter Royal Arch Freemasonry, held at the Mitro Hotel, Hampton Court, installed in the Chair of Z.

Mr. A. F. Pugh has been appointed by the Guardians of the parish of Liverpool as assistant dispenser at the Brownlow Hill Workhouse.

This is not Mr. Theodore Roosevelt, but Professor Joseph P. Remington, F.C.S., of Philadelphia. The "American Druggist," from which we reproduce the sketch, entitles it "A Quaker Delegate. A clever caricature of Professor J. P. Remington, in the Red Cross Messenger." He certainly hails from the Quaker City, and is Philadelphian in all that is pharmacopæial. Professor Remington has charge once more of the United States Pharmacopæia, in which connection the caricature was published by our contemporary.



Professor Wyndham Dunstan, F.R.S., Director of the Imperial Institute, has been elected President of the International Association of Colonial Agriculture. At the meeting of the Association held at Brussels last week Professor Dunstan submitted an important paper on the scientific and economic problems affecting cotton-cultivation.

This is how Mr. Edward T. Rich, chemist and druggist, Bridgend, Glam., appeared at a Rink Skating Carnival

recently. The costume was composed thus:

Calieo coat trousers covered with proprietary labels of all colours; around the bottom of the coat were hung empty cartons of various kinds, also various penny articles, tooth-brushes, etc., which dangled and swung as the skater went around. The hat was a giant box of Bile Beans with a puff and tube brushes as cockade. Around the neck a row of turkey sponges was tied, with a bag puff. Around the waist was a sash bearing the name in front and on the back the words "My Chemist." The skater also carried a perfume spray, which he freely used around the rink, also a sponge bag hanging in front containing samples of toilet pre-parations which were distributed.



MR. E. T. RICH.

The costume was quite a feature of the Carnival and carried off the first prize. It has also proved an excellent advertisement at very small expense.

Obs

ALDERMAN H. DUNN, chemist and druggist, Shipley, has been again elected as Chairman of the West Riding Edu-

MR. ERIC NAPIER BIRKS, son of Mr. G. Fred Birks, of Messrs. Potter & Birks, Ltd., Sydney, Australia, is now in London for the purpose of extending his knowledge of the business of the firms for which his father's house are agents in Australia. At the end of the summer he expects to visit the United States with a similar object as regards the American agencies. At present he is with Messrs. Fletcher, Fletcher & Co., Ltd.

DR. WILLIAM JAY SCHIEFFELIN, president of Schieffelin & Co., of New York, sailed for England on May 28, accompanied by Mrs. Schieffelin and two of their nine children. Dr. Schieffelin occupies a unique position in the social, political, and commercial world of New York. He is about the fifth in direct line of descent from the founder of the house of Schieffelin, which was established over one hundred years ago. His mother was a descendant of John Jay, the American statesman. His wife is a daughter of Mr. William K. Vanderbilt, and, like Dr. Schieffelin, is tall, slender, and handsome. Dr. Schieffelin takes an active part in affairs of his firm, is chairman of the Proprietary Committee of the National Wholesale Druggists Association, and at the Ninth Decennial Pharmacopæial Convention, held on May 10 in Washington, was elected one of five trustees of the United States Pharmacopæia.

Trade Notes.

Messes. Davies, Sons & Co., Derby, ask us to emphasise the fact that they give free packages and free showcards, as well as pay carriage on their packed effervescents.

Messrs. Thomas Christy & Co., Old Swan Lane, London, E.C., ask us to remind the trade that their business hours are from 8.15 A.M. to 5.15 P.M., except on Saturdays, when they close at 1 P.M.

A DAINTY BOOKLET, designed and written by Mrs. F. A. Degen, has been issued by Mr. J. Robertson, chemist, St. Boswells, to advertise his "Tan-Shu," a white crystalline cream which "makes old boots like new."

Mr. Bernard Slack, 9 King Street, Wolverhampton, the "business doctor" for chemists, has a new co-operative idea for supplying cartons and labels to chemists, particulars of which he will give to anyone who sends him a postcard.

Messrs. Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., have been awarded the Grand Prix, diploma, and gold medal for their bi-palatinoids by the Exposition Internationale d'Alimentation et d'Hygiène, Paris.

Messrs. Henry C. Quelch & Co., 4 Ludgate Square, London, E.C., agents for "Bourjois" Java powder (Poudre de Riz de Java), inform us that the proprietors have put a sixpenny size on the market. It is obtainable in four colours at from 4s. to 4s. 6d. per dozen, according to quantity. It is P.A.T.A., and will sell at face value.

Lysol.—Messrs. C. Zimmermann & Co., 9 and 10 St. Mary-at-Hill, London, E.C., agents for Lysol, inform us that henceforth it will be supplied, in Great Britain and Ireland, exclusively in 4-oz. $(7\frac{1}{2}d.)$, 8-oz. (1s.), 16-oz. (1s. 9d.), and 32-oz. (3s.) bottles, and the gram sizes will be discontinued. They suggest that retailers should sell out their old stocks of 100-gram bottles at the old price of 6d. per bottle, and the 250-, 500-, and 1,000-gram bottles at 1s., 1s. 9d., and 3s. per bottle respectively.

Zetts' Cloth-Ball.—Messrs. O'Neil, Zetts & Co., 182 Stroud Green Road, London, N., manufacturers of this cloth-ball for dry cleaning all light coloured fabrics, are supplying an attractive showcard, on which is a piece of shepherd's tartan—one half dirty and the other as clean as when it came from the loom, the clean half having been treated with Zetts' Cloth Ball. The effect of this example reminds one of the devices for showing the difference between oil-paintings before and after restoration, as seen in the windows of picture dealers. It will be observed from an advertisement in this issue that Messrs. O'Neil,

Zetts & Co. are making a special offer for postcard opinions received by them on Tuesday next, June 7.

JOHN BOND'S "Crystal Palace" marking-ink is an old favourite with the people, and an article which every chemist handles. Mr. A. B. Hickisson, 75 Southgate Road, London, N., has given us the opportunity of trying it once more, and we find the new non-heat ink excellent. It writes jet-black at once, and stays so after adventures through London laundries, the most trying in the world. we fancy. The ink is put up daintily, even the sixpenny size having in the case a gilt pen and holder, so that the purchaser has no trouble searching for a likely pen when the formerly arduous task of marking begins. The old heating kind of ink is also made by Mr. Hickisson, and with both the purchasers get vouchers entitling them to an "I.R." name-stamp for 3d.



C & D. INFORMATION DEPARTMENT. 42 Cannon Street, London, E.C. Telegraphic Address: "CHEMICUS LONDON." Telephone No.: BANK 852 (two lines).

The object of this Department is to supply names and addresses of Manufacturers of, or Agents for, goods pertaining to the Chemical, Drug and Allied Trades. The "Buyers' Guide" in each issue of "The Chemist and Druggist" affords much information, but inquiries for anything not referred to therein may be addressed to this Department. Replies will be furnished immediately, or inserted in this section free of charge.

INFORMATION WANTED.

We would be obliged if any reader would reply by postcard or telephone to one or other of the subjoined inquiries.

172/48. Machine for filling tablets into bottles: suppliers.

180/20. Makers of a hair-dye marked "T. Walker, London." 186/3. "Leaf" brand hat-reviver or polish: who makes or sup-

186/5. "Pulsometer" massage machine: makers or wholesale

suppliers. 181/29. Who are the makers or agents for the "Windsor" patent

milk-steriliser? 186/6. "Rapid" fly-catcher (German make): makers and sup-

pliers in this country.

180/28. "Dr. Hale's Haloids," made by the "Haloid Medicine Co., London": who supplies? 183/53. "Miraculosa" (a remedy for dysentery) and "Turtidal" (a purgative in tablet form): makers or wholesalers.

INFORMATION SUPPLIED.

During the past week we have answered inquiries regarding the following articles. The information will be repeated to any other inquirers who send to the Department a stamped and addressed envelope for the purpose.

Aix-la-Chapelle water, supply (177/62).

Antiformin, (178/74). manufa:turers

(170/14).
Arbutin, supply (184/56).
"Army and Navy" suspenders, makers and agents (181/64).
Aromatic - turpentine flavour

(186/4)

(180/4). Arsenophenylglycin, particulars and supply (185/19). CO₂ in cylinders, makers (183/58). "Chemical" fly-papers (non-poisonous) supply (179/74). Colgate's soaps, etc., agents (179/1)

Colgate's soaps, etc., agents (179/1).
Ear-trumpets with vibrator, supply (178/71).
Enamelled tooth-powder boxes, makers for export (181/22).
"Ergotole," supply (182/30).
Fieler's anti-rheumatic plates, wholesale suppliers (180/46).
"Filmaron," manufacturers and agents (177/54).
Guard's hair - dye, makers (178/49).
Labeller (shop-rounds) (184/16).

Labeller (shop-rounds) (184/16).

"Lactikoff," (183/41). Leichuer's preparations, whole-

Leichuer's preparations, whole-sale agents (178/49).

"Lungbells," agents (183/46).

Medical electric batteries, makers (180/27).

"Neptune" bathing - caps, makers (181/29).

"Ozene," makers (179/22).

"P.K." insect-powder, proprietors (182/31).

Peptocina tablets (D. S. & Co.), proprietors (182/30).

Petroid eement, makers (184/56).

Robusto wine, makers (181/18).

Rutger's suspensories, makers and agents (184/17).

"Tarbol" chemicals, makers (182/30).

(182/30).
Toilet paraffin (L. B. & Co.),
makers (174/56).
"Vaginoids," proprietors

(183/47). Valentine's meat-juice, proprietors (184/57).

tors (184/57).
"Vioflor," makers (180/45).
"Unique" hearing apparatus, suppliers (176/15).

Observations and Reflections.

By Xrayser II.

Pharmacopæia Revision

is now the order of the day, and it is interesting to read in your last issue the forecast of what is to be done in relation to the next U.S.P. Average doses for adults and children, allowance made for unavoidable innocuous impurities in drugs and chemicals, international standards to be adopted, "but not necessarily the details of the pharmaceutical processes," assay processes and biological tests, the latter for drugs apparently as well as serums, are all to be introduced. The only comment I have to make is regarding the reservation about the details of pharmaceutical processes of the International Convention. What are the "details" that may be modified? Do they include the strength of the alcohol employed in making tinetures, or the method of preparing percentage galenicals? If either or both of these are regarded as details which may be varied at will, then the International Agreement might just as well never have been adopted at all so far as the U.S.P. is concerned. I hope, however, that the ninth revision will be entirely free from "The One Blot"

which Dr. Wood speaks of in his valedictory address as disfiguring the present edition. This, I take it, refers to the failure of the revisers to follow the percentage system formulated by the Brussels Conference in reference to the preparation of tinctures and solutions. The Continental mothod employed in making galenicals is to weigh both liquids and solids, so that in all such cases a "true percentage" of active drug can be stated. The B.P. and the U.S.P., on the other hand, weigh solids only, liquids being prescribed by volume, so that in their preparations the percentage can only be stated as w/v. There is much to be said in favour of the Continental method; but as a loyal Britisher I think there is more to be said for our own plan. Nevertheless, since the Brussels Conference adopted the Continental method, it seems to be quite essential that the same system should be employed all round if uniformity is to be obtained. From this it follows that the international alcoholic strengths must also be adopted, otherwise grave variation is certain to arise. The B.P. Conference

programme published recently in the C. & D., when read along with the proceedings of the American Pharmaceutical Association reported in your last issue, suggests some reflections not altogether flattering to us. The business of the A.Ph.A. comprised work done in no fewer than five sections—commercial, scientific, educational and legislative, historical, and practical. In the scientific section alone there were presented fifty-two papers. Could not the B.P. Conference take a lesson from our cousins across the water? To be sure, the influence of last year's virile Scotch President has made itself felt in one direction, but, apart from this, it would appear that the ultra-scientific ideas that have prevailed hitherto have almost killed the Conference as a serious institution. So much so that the social element gets greater prominence than ever, for about five-sixths of the whole time spent in Cambridge will be devoted to recreation, or to recuperating in sleep from the effects of a too strenuous holiday. Is it for this that the Con-

The Interesting Letters on the Phœnix

ference exists?

in your last week's number may perhaps excuse a few more remarks on the subject, especially as affording me an opportunity of cor-

recting an error in my former note. Throwing together a considerable mass of rough notes, I inadvertently attributed to Dr. Lightfoot an opinion expressed by Dr. Davidson, and referring, not to the marginal but the Septuagint reading of Job xxix. 18. What Lightfoot says is: "Even Job xxix. 18 is translated by several modern critics, 'With my nest shall I die and like the phænix lengthen my days.'" Davidson actually defends this reading on the ground that it is favoured by the word "nest" in the first clause. The Septuagint reading was afterwards altered to "as the branch of the palm" (Sir Thomas Browne has "the truncke"). The association of the phoenix with the date-palm is a very old one, and in some forms of the myth the bird and the tree are represented as dying and reviving together (see Holland's "Pliny"), a fact to which Shakespeare alludes in "The Tempest" (Act iii., sc. 3):

In Arabia
There is one tree, the phænix' throne; one phænix
At this hour reigning there.

George Darley makes a characteristic use of this in his wonderful but enigmatical poem "Nepenthe":

O blest unfabled Incense Tree, That burns in glorious Araby; With red seent chalicing the air, Till earth-life grow Elystan there! Half buried to her flaming breast In this bright tree she makes her nest, Hundred-sunned Phonix! when she must Crumble at length to hoary dust.

The explanation of this connection of the bird with the tree is probably the fact that the name "phœnix" common to both is the Greek adjective signifying purple or erimson-red, from which the geographical namo "Phœnicia" is thought to have been derived.

Dispensing and Prescribing

are sometimes spoken of as if the moment doctors gave up the one, the practice of pharmacists with regard to the other would, almost automatically, cease. There is no likelihood that it would be so. It never has been the practice of the better class of pharmacists to cultivate a prescribing trade, and I believe it is less so now than ever. They are better educated than they used to be, and the more a man knows, the more he realises that "a little learning is a dangerous thing," and the less likely, therefore, he is to dabble in things of which he knows little or nothing. And the pharmacist who knows his own business has little temptation to go beyond it. He only does so when he cannot help it. Certainly there was as much counterprescribing fifty years since, in proportion to the chemists in business (though a good deal more dispensing fell to them then) as there is now; and it was then, as it still is, to a great extent inevitable. The public simply will not consult a physician for every trifling ailment, and the pharmacist is virtually obliged to supply a simple remedy when urged to do so. There is no reason why he should not. Were he to refuse, his customers would "doctor" themselves much less intelligently, and he would be equally liable to trouble for supplying some popular nostrumsay, "aniseed syrup"—which had been demanded. Counter-prescribing probably does a good deal less harm. than patent medicines, which can be sold by anybody who cares to take out a licence. Both counter-prescribing and the sale of "patents" could be much more effectually discouraged if dispensing were secured to us. Meanwhile it is fair to remember that the chemist's mistakes in prescribing, as in dispensing, are sure to be brought home to him, whereas the doctor's are not. If the evil were serious we should hear of more.



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CRUSHED LINSEED	25/ cwt.	Finest Compound LIQUORICE POWDER	8 & 1/1ь.
CRUSHED LINSEED Best Clean	24/cwt.	PUMICE POWDER Extra Finest Levigated	35/cwt.
LINSEED EPSOM SALTS, E.S.S.	24/cwt.	No. 1 Finest Light Pure PRECIP. CHALK	25/cwt.
Purified, Clean, and Dry Ditto, Medium Crystals	11/6 cwt.	Finest Pure STARCH POWDER	22/cwt.
PHUR, Finest English	13/6 cwt.	Finest Pure TOILET OATMEAL, SPECIAL	32/cwt.
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LIQUORS

Editorial Articles.

Michael Carteighe.

CARTEIGHE.—On the 30th inst., at "Oriel," Goring-on-Thames, in his 69th year, Michael Carteighe, F.I.C., F.C.S., President of the Pharmaceutical Society from 1882 to 1896. Funeral at Kensington Cemetery, Hanwell, on Thursday, Juno 2nd, at 12.30 p.m.—The Times, May 31, 1910.

Mr. Carteighe had been in failing health for more than a year. He had the misfortune about two years ago to lose his eyesight through atrophy of the optic nerve, waking up one morning to find himself totally blind. From this he never recovered, but was able to come to town three times a week. When at business on Friday, May 13, he had an attack of heart-weakness, supervening on symptoms of dropsy, and the latter symptoms becoming exacerbated, he passed away in the early hours of Monday morning, the immediate cause of death being heart-failure.

Mr. Carteighe's introduction to pharmacy was due to the fact that his brother, Mr. John Carteighe, in the 'forties was a laboratory assistant to Michael Faraday in the Royal Institution, to which Mr. Charles Dinneford was a frequent visitor. Having a liking for John Carteighe, he asked him to take charge of the scientific side of Dinneford & Co.'s business; and when Dinneford died in 1847, John Carteighe and John Edward Stuart purchased the business. John Carteighe became a pharmaceutical chemist in 1853, and he had his brother Michael educated with a view to entering Dinneford & Co.'s. This education was completed at University College, where Michael Carteighe studied under the late l'rofessor Williamson and became one of his laboratory assistants. This was before he was apprenticed to Mr. C. J. Radermacher, Ph.C., 173 Sloane Street, S.W. Indeed, we once heard Mr. Carteighe say that when he knew he had to be a chemist he went to University College as being the best-known place then where chemistry was taught in London, and he was there for some time before he realised that he would need to serve an apprenticeship in a druggist's shop. It was as an apprentice to Mr. Radermacher that he was first put on the Pharmaceutical Society's books in 1860. In 1862 he entered the School of Pharmacy. Among his fellow-students were Thomas Kerfoot, P. W. Squire, and Charles Umney. He passed the Minor examination on April 15, 1863, and

the Major on July 15 of the same year. At the School he took the medals in chemistry and pharmacy and in botany and materia medica, but in practical chemistry Mr. Charles Umney was the medallist. Mr. Carteighe also carried off the Pereira Medal in 1863, and then became a partner in Messrs, Dinneford & Co.'s business. He carried on the retail pharmacy in Bond Street (as sole proprietor from 1898) until March 1, 1907, when, owing to the expiration of the lease, the retail business was transferred to Messrs. Savory & Moore. The more important part of the Dinneford business had long been the manufacture of Dinneford's Fluid Magnesia and flesh-gloves, which was continued at Foley Works and Mortimer Street, W., where it had been for many years. In March 1909 the business was converted into a limited-liability company, with a capital of 50,000%, Mr. Carteighe being permanent governing director: Mr. John W. Castle was his right-hand man, and he and Mr. Fred. Bascombe (another old assistant) are his executors. Mrs. Carteighe died five years ago. They had no ehildren, and his sole sur-

viving relative is his nephew, Mr. John Carteighe, L.D.S., Holland Park Avenue, London, W.

As a man Michael Carteighe was known to few of the many who knew of his public From his youth he work. seems to have been a grown man - bewhiskered, athletic, virile, every muscle and sinew of his body always fit for action. He was a fair-haired, blue-eyed Celt, adept in sports from his youth; in middle life, as a member of the Alpine Club, he had done most of the high climbing that Europe affords; and as he matured into riper years his big burly form, bushy eyebrows, and massiveness of body and mind hid from most people the tender heart and native sympathy which endeared him to all who were counted his friends. The good deeds that

he did ean never be told, but he has left a heritage of gratitude in many hearts, and the whole pharmaceutical world can learn from his speeches on benevolence how eminently charitable he was in all that concerns the succour of the poor and the unfortunate. There were a few oceasions in his public career when the depths of his sympathetic nature were unexpectedly revealed, and it was seen that his heart-strings were attuned to human love and iriendship. The masterly and dispassionate in his nature seemed to be reserved for the public eye, and it was the union of these with his intellectual force and knowledge of affairs that made his official career so conspicuous in the

history of British pharmacy.

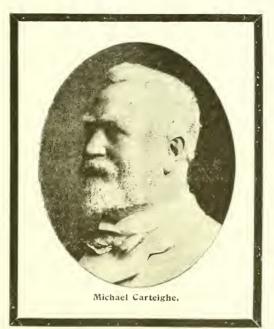
Michael Carteighe was only in his sixty-ninth year. We say "only" advisedly. Many imagined him to be much older, not because he looked it, but solely because he had been prominent in pharmaceutical work for nearly fifty years, and for the past thirty years he had been the dominant figure in British pharmacy. He struck his first note when in 1863 Mr. Sandford, President of the Society,

the gathering by criticising the conduct of the School and the examinations. This began his career of pharmaceutical usefulness. He was elected a member of the Council and became an examiner three years later, at the age of fourand-twenty. The Pharmacy Bills of the previous year had failed, and negotiations were going on under the generalship of Mr. Sandford for a compromise measure, Mr. Carteighe acted as Mr. Sandford's lieutenant ("jackal," he sometimes said), and was in everything, but never too prominent. He played the game well, helping his chief by hard work, judicious interviewing, and what lawyers call "devilling." Two years after the 1868 Act was enforced it was decided that members of the Pharmaceutical Council should not simultaneously act as examiners, and Mr. Carteighe chose to remain on the Examining Board, where he was for fifteen years one of the most accomplished examiners. Chemistry was his subject, and he was well fitted for it from his training at University College. Besides, he was recognised to be sound on the question of

pharmaceutieal education, and was at that time one of the few among educationists who recognised that education for persons to be registered under the 1868 Act must not be too academic. He retired from the Board of Examiners in 1881 in order to take the seat on the Council vacated by Mr. Sandford, Mr. Walter Hills being at the same time elected to the vacancy created by the retirement of his uncle, Mr. Thomas Hyde Hills. Mr. Thomas Greenish was in the second year of his presidency, and in June 1882 Mr. Carteighe was appointed to succeed him, Mr. S. R. Atkins being voted to the vice - presidential chair - "to subdue me," said Mr. Carteighe on one occasion. The presidency lasted, without other interruption than the annual reelection, until June 1896, when Mr. Carteighe retired in favour of Mr. Walter Hills, retaining,

however, his seat on the Council. As vice-presidents he had, besides Mr. Atkins, Messrs. T. P. Gostling, Alexander Bottle, W. G. Cross, and John Harrison.

It would be vain to attempt even an epitome of Mr. Carteighe's work during these fourteen years. He came to the duties when Mr. Elias Bremridge was retiring from the offices of Sccretary and Registrar and the retail drug-trade was still smarting under the defeat in the companies case. The administrative work of the Society was growing in volume, and to this especially Mr. Carteighe directed his energies, mastering details in such a way that he was able to place the working organism on a sound footing, so that all his successors in the chair have benefited by his pioncering. He attacked the difficult task of consolidating the organisation of the Society, stimulated local secretaries, and created in the metropolis a body of divisional secretaries. He found the Society with nearly 40,000%, of investments, chiefly Consols, and proceeded to re-invest the money, in part, more remuneratively, but spent the most of it in extension and better equipment of the premises in anded him the second Pereira Medal, and he astonished. London and in the purchase of a house for the North British



Branch in Edinburgh. This expenditure was not uniformly wise, but Mr. Carteighe was far-seeing, and he felt that if the Society was to maintain its position among learned or educational bodies, it must be better housed. For a similar reason he mainly was instrumental in establishing a Research Laboratory; but this failed to meet the desires of the members as to the nature of the research carried on, and with the departure from the Square of the Director of the Laboratory the scheme in its original conception collapsed. Administration of the Pharmacy Acts was Mr. Carteighe's most conspicuous service to the craft and the Society. He had on several occasions attempted to get the Λ cts amended, chiefly in regard to education of chemists; but he was for many years averse to legislating on the company question. His first efforts in the latter direction were for total prohibition. He knew that that was a forlorn hope, and it proved to be so. The alternative, in his opinion, was to leave companies severely alone, and use the 1868 Act for all it was worth in regard to companies as well as individuals. With the advent of Mr. Glyn-Jones into the Council, backed later by Messrs. Cooper, Taylor, and Wootton, the non possumus attitude was abandoned, and Mr. Carteighe finally fell in with the majority; but he was in no way responsible for the 1908 Act, as he was laid aside through illness when it was carried into law.

By inheritance Michael Carteighe was gifted with histrionic power, and to this in a large measure was due his magnificence as a public speaker. He was really eloquent, and on occasion he could raise an audience, especially of young men, to a delirious point of enthusiasm. Usually, however, he made no attempt at oratory, but presented his facts in a frank way, in perfect order, and in convincing language. He generally spoke without notes, and was never at a loss when pure business was the subject. Perhaps he shone most when replying to critics in a debate. He spoke from full knowledge, and frequently subordinated his own opinions in order as President to express the views of the majority of the Council. This he did so well that many things are attributed to him which were essentially official. Although so strong a man he was timid in some things, and hesitated long before committing himself to a new line of action; but this was not known to "the general." Many, especially those of the fair sex, will recall his rare abilities as a chairman at social functions. During his presidency the Pharmaceutical Society's dinners were most brilliant affairs, Mr. Carteighe's old College friends, such as the late Sir Michael Foster, supporting him, and he was equal to most of them as a speaker. He was one of the founders of the Chemists' Ball, and actively supported it as long as Mrs. Carteighe was alive. There he was always happy, and made everybody else the same by his cheery face, hearty laugh, or kindly greeting.

Besides his work for the Pharmaceutical Society it may be recalled that Mr. Carteighe was one of the earliest members of the British Pharmaccutical Conference, and an Honorary Secretary from 1880 to 1882. He declined the presidency more than once. His last prominent service to the Conference was when it visited London in 1900, and he was at the head of the entertaining arrangements. He had been connected with the Chemical Society since 1864, and served on the Council from 1878 to 1888, with a break of two years. He was one of the founders of the Institute of Chemistry—perhaps more than a founder, since he spoke of the need of such a body some time before the idea was carried out. He was on the Council of the Institute, a Vice-President, and a Censor. He was also an active worker in the Royal Society of Arts, and a member of the Royal Institution. He was an honorary member of the leading Pharmaceutical Associations outside the British Empire. He was associated with The Chemist and Druggist as a contributor when Mr. Brough was editor, as was told in our Jubilee Issue, July 31, 1909. When Mr. Carteighe gave us the facts there recorded the tragedy of the loss of his eyesight was still acute, and he spoke of his dread of silence, even the pauses in the Church service feeling preternaturally long to him. The wave of depression over, his talk became as exhilarating as it ever was—he was as brilliant in conversation as he was generous in hospitality. Sensitiveness to being pitied kept him away from the Council-chamber until a few months ago, when he resumed his work, and so has died in harness. Fitting end for such a Man of Might!

Petroleum-spirit Committee.

THE first report of the Departmental Committee on Petroleum Spirit was issued this week, and contains several points of interest to our readers. The Committee appointed in 1908 was a small one, consisting of four persons and a secretary, and the terms of reference were "to inquire into the sufficiency of the existing regulations relating to the storage, use, and conveyance of petroleum spirit; and to report what further precautions, if any, are in their opinion desirable as tending to diminish the dangers attendant thereon." We have at various times given a résumé of the evidence of the more important witnesses. Some useful notes are given in the report as to the three Acts which regulate the storage and sale of petroleum spirit. Section 2 of the Petroleum Act, 1871, makes provision for labelling vessels containing petroleum spirit. If sold, or exposed for sale, such vessels have to be labelled "Highly inflammable," and also to bear the name and address of the vendor, a provision which chemists are familiar in the case of the sale of benzine and benzoline. An Order in Council issued 1907 made the labelling section apply to petroleum mixtures giving off inflammable heavy vapour, and prescribed the use of the words "Not to be exposed near a flame." The defects of the various Petroleum Acts are due to their having been passed at a time when comparatively little petroleum spirit was used, which makes the Acts somewhat out of date, now that the trade has reached very large dimensions. In other respects the Acts have been found wanting in not providing a central authority to control and supervise the working of the Acts, absence of adequate restriction on the conveyance of petroleum spirit by road, excessive decentralisation of local authorities, absence of any obligation upon local authorities to enforce the law, inadequate powers of local authority officers, absence of powers of regulating the manufacture and storage of petroleum spirit, absence of a definite penalty for the breach of the terms of a licence, and want of uniformity in the regulations for keeping petroleum spirit. The Committee recommend that a central authority should be given direct control in regard to issuing general rules for guarding against dangers arising from the storage, use, and conveyance of petroleum spirit, and for appointing officers to supervise the working of the Acts. Sections of the report deal with the conveyance of petroleum spirit by road, and other matters required for remedying the defects of the Acts. In regard to the use of petroleum spirit in private houses it is suggested that much could be done in discouraging its use, and it is recommended that petroleum spirit should not be kept in glass bottles of greater capacity than half-a-pint. The use of petroleum-spirit hair-washes in hairdressing establishments should, the Committee think, be prohibited, and in

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future legislation it should be made illegal for any hairdresser to use petroleum spirit or mixtures containing petroleum spirit on the hair of the living subject. The following paragraph is of interest to chemists:

"The use of petroleum spirit by hairdressers appears to be quite unnecessary. The ordinary wet shampoos are more efficient and better for the hair, and the only advantage of the dry (petroleum spirit) shampoo lies in the shorter time required in its use."

Several pages of the report are taken up with the consideration of the use of various safety devices submitted to the Committee. These were the "Snercold" and the "Nonex" devices, the object of which is to prevent the bursting of a vessel containing petroleum spirit by internal vapour-pressure due to heat, and to prevent back-fire into the vessel and the possible explosion of an explosive mixture of petroleum vapour and air inside. These devices employ wire gauze, apparently on the principle of the miner's safety-lamp. While admitting that these safety appliances may be useful, the Committee do not recommend their compulsory adoption, except in the case of motor-boats. The use of steel barrels for the conveyance and storage of petroleum spirit should be fostered, and the use of wooden barrels discouraged.

The London County Council supplied the Committee with a very interesting memorandum regarding the use of petroJeum spirit in various industries. The spirit finds the largest use in dry-cleaning, and is also employed in the manufacture of helmets, tennis shoes, indiarubber goods, waterproof garments, glass silvering, paint, asbestos packing, tyre making and repairing, incandescent electric lamps, and air-gas.

Why Emigrate?

The South Australian "Ph. Chemist" who wrote last week in regard to "Chances in Australia" will have a big mail-bag a month hence, as in reply to his offer to tell chemists at home more about chances in Australia we have received numerous applications for his name and address by every post since. If half of those who have written should go out to South Australia, chemists there will not thank our correspondent, for the State will get more retail chemists than it has need for. We cannot avoid saying that there are very few "soft things" anywhere in the drug-trade of the British Empire, or, for that matter, in any part of the world. Success in Australian pharmacy is largely due to the fact that men "put their backs into their work." Perhaps it is the fine air that helps them to rise every morning in an optimistic frame of mind, determined to do something fresh that day to push business and to strike out in some new way, with the result that many do get on well; indeed, they feel so sure of the future that when they want to take a long holiday home they sell off, take the holiday, and go back again, opening up somewhere else. This has become the custom of the country, but the fact that immigrant pharmacists adopt it shows that there is something peculiar in the climatic conditions when those brought up under different ideas so readily part with good businesses in the knowledge that very soon they must begin all over again. They have left the Old Country because it is "done," but it seems to us that this epithet belongs in a measure to the men, and if they put the same energies and ideas into their businesses at home hey have as good chances of succeeding here. Australian harmacists have told us also that it is astonishing how ome immigrant chemists wake up when they get out here; many do not wake up, and they become more errible failures out there than they have been at home. There are splendid opportunities in the Old Country, and a good present as well as future for the retail drug-trade, although (as a leading pharmacist remarks in a letter which lies before us) "the gradual absorption of business by Boots' combination is sad for the correct pharmacist." Obviously the pharmacist's methods are very incorrect if he allows himself to be beaten by that combination. Exactly the same methods which are required for success in Australia meet the competition at home, and beat it in many cases, largely because the methods are united with personality. In this Old Country there is more money to spend per head of the population than in any part of the world, and chemists who think they can do better elsewhere should consider well before they act, and should not fail to take stock of themselves first.

Child Labour in Shops.

It is believed to be the intention of the Government to reconstitute the Departmental Committee which has been for some time past inquiring into the question of street trading by children for the purpose of investigating another phase of the problem—the employment of children generally in every description of trade. This, of course, would include the question of shops and also all factories and workshops and other industries in which children of tender years are at the present time employed. The Chairman of the old Committee was Mr. J. A. Simon, K.C., M.P., and among the other members were Lady Gladstone, wife of the new Governor-General of South Africa (who would, of eourse, be unable to take part in any further inquiry), Mr. J. W. Gulland, M.P. (whose duties as the Scottish Whip would probably prevent him adding to his existing labours), Mr. W. C. Bridgeman, M.P., Mr. A. J. Sherwell, M.P., Mr. Hugh Law, M.P., Mr. T. F. Richards, and Mr. Whitehouse, of Toynbee Hall.

Friar's Balsam.

An instance of the high position which Squire's "Companion to the British Pharmacopæia" holds in the Empire is afforded by Mr. McGill, the chief analyst to the Canadian Government, who, in reporting on the examination of Friar's Balsam (compound tincture of benzoin) purchased in the Dominion, says:

The tests prescribed by the British Pharmacopæia are:

Specific gravity, about 0.900.
 Total solids, 17 to 18 per cent.

3. Absolute alcohol, about 75 per cent.

As a matter of fact, the British Pharmacopæia preseribes no tests, and Mr. McGill must have had "Squire" before him, as his factors are those from Squire's "Companion." Tinctures made in the Canadian Government Laboratory according to the B.P. directions gave the following results:

In the examination of seventy purchased samples, Mr. McGill's assistants found that 17 per cent. of solids was only reached by seven samples, the solids varying from 8.6 to 19.46 per cent., and five samples contained less than 10 per cent. One sample was made with methyl alcohol.

MME. GABRIELLE M. VASSAL, an Englishwoman, wife of a French doctor, has written an entertaining book called "On and Off Duty in Assam." in which she refers to the work of the Pasteur Institute at Nhatrang. Dr. Yersin established the Institute at this place for all Indo-China, and, in order to make it self-supporting, he first grew tobacco, then coffee, later coea for cocaine, and, although the results of each of these plantations was very successful, all have now been given up for the cultivation of rubber-trees. They have already begun to yield, and the plantation produces more than a ton of rubber a year, and provides (so Mme. Vassal says) an income of 500% a year for the Institute.

General Medical Council.

THE business of the ninety-first session was resumed at the offices of the Council in Oxford Street, London, W., on Thursday, May 26, Sir Donald MacAlister, K.C.B. (President), in the chair. After formal business had been transacted, the Council continued consideration of

Penal Cases.

We reported in our issue of May 14, p. 725, the conviction, at the Yorkshire Assizes, of Charlton Forman, dispenser, East Beckett Street, Leeds, on a charge of forging a death certificate. Forman was employed by Charles Lyddon, M.R.C.S.Eng., L.R.C.P.Edin., L.S.A. Lond., 26 East Beckett Street, Leeds, who was now sunmoned before the Council on a charge of infamous conduct in a professional respect, in so far as he "covered" Forman. Indeed, the facts elicited suggested that the unqualified covered the qualified. Forman rented the house and advertised for a qualified medical man with a view to partnership. He received several replies, Dr. Lyddon's being one. Forman ran the concern; he paid out all ex-He received several replies, Dr. Lyddon's penses, dividing the gross profits with Lyddon. Forman's name was the most conspicuous on the surgery; he kept the visiting-book, saw 80 or 90 per cent. of the patients, and recommended Dr. Lyddon as medical officer for the local clubs. Finally, when Dr. Lyddon was pulled up by the G.M.C., he wrote, at Forman's dictation, letters of apology stating that he (Forman) had only signed three or four certificates, and had been "severely reprimanded," and it should not occur again; and afterwards that "I have discharged my assistant." The Council listened to these revelations with a consternation which perhaps reached its height when Forman, being asked what medical education he had had, replied briskly, "None whatever. For the defence Dr. Lyddon could only reiterate, with an indignation which could not always be held in check, that he had done the work, though not the writing-he always avoided writing; he had not signed his name for twenty years. He never authorised Forman to sign certificates unless he himself had seen the patients. He was seventy years of age, and had bad health. The Council were not long in coming to the conclusion that the name of Charles Lyddon must be erased from the register.

EYE AND EAR CLINIQUE.

The British Medical Association were again the complainants in a case against James Forrest, M.B., Edin., formerly of Blackburn, afterwards of 77 Park Lane, Croydon, and now of 60 Gordon Mansions, Gower Street, London, W.C., who was charged with having associated himwith a self—as a member of the committee and as one of the surgeons—with an institution called "The Eye and Ear Clinique," and also "The National Eye, Ear, Nose, and Throat Hospital," of 123 Oxford Street, London, W., which advertises by pamphlets and in the public Press for paying patients. Dr. Forrest, a fair-haired, young-looking man, attended, accompanied by his solicitor, Mr. Washington. The case was on all fours with that brought by the Medical Defence Union ten years ago, and arising from the Birmingham Medical Institute. Mr. Smith Whitaker, representing the B.M.A., said that, like the latter, the Eye and Ear Clinique was supposed to meet a public need by offering reduced fees to those who could not pay the fees of a specialist, and who yet were not proper recipients of eharity; patients were seen at a fixed fee of 10s. 6d. the first and 5s. a second time. Dr. Forrest, while admitting the advertisement, denied that it constituted infamous conduct, instancing hospitals which advertise regularly for paying patients, and the fact that they have never been pulled up by the G.M.C., thus indicating lenity if not tacit approval. This idea was, however, said Mr. Whitaker, erroneous: the G.M.C., being a public body, did not prosecute; the fact only showed that no one had cared so far to take the matter up. There was no evidence of any attempt made to select patients as fitted for special fees. Mr. Whitaker tendered a witness sent to make inquiries as to the way in which patients were treated at the Clinique (the same emissary, oddly enough, who was utilised in the case against the Birmingham Institute), who stated that Dr. Forrest told him in the course of conversation that he got into touch with people and saw many more by means of the hospital.

Dr. Forrest, examined, said that he had been connected with the Clinique since its inception three years ago, though he had no part in forming it; he had had considerable experience in hospitals at home and abroad. Altogether he had been nearly thirteen years in practice. He had received no remuneration up to the present; he would not do so till they had established an in-patients' department. The Clinique was established to meet a need, and not for profit; a Mr. Yates had provided the money—5,000/.—to be paid back without interest. The pamphlets were given only to patients and those who applied for them; the advertisements were sent out by the Secretary. He (Dr. Forrest) had taken exception to one, and afterwards they were merely statements of fact, and were sent out only once simply to gain publicity.

In the absence of the Secretary or any members of the committee of the Clinique, the further hearing of the case was, on the application of Mr. Washington, adjourned till four o'clock on Friday, when neither Dr. Forrest nor Mr. Washington replied in answer to their call. A letter from the former was read by the Council's solicitor, and fell like a bombshell. Dr. Forrest wrote:

"Owing to the interval of adjournment being so brief, I have had no time to get the members of my committee to attend, and under these circumstances I tender the resignation of my registration, and direct that my name be erased. Whatever the verdict of the Council may be with regard to my association with the Eye and Ear Clinique, I have determined to have my name expunged, partly on account of the anomalous methods adopted by the British Medical Association, and partly because in the near future I believe that the diagnosis and treatment of the diseases of eye, ear, and throat will be undertaken by a distinct body of men, as dental affections are already."

An urgent letter and telegram had been sent to Dr. Forrest, but no reply had been received. After consideration of about half an hour in camera the Council decided not to take up the gauntlet so rashly thrown down, but to adjourn the case till the next session, to give Dr. Forrest an opportunity of producing further evidence.

DENTAL CASES.

Dental cases constituted the chief part of the remaining penal business. The British Dental Association, represented by Mr. Hugh Turner, was the complainant in every instance, and the offenders were all in practice before 1879. The Dental Committee had found that Ernest Horne, of Gildencroft, London Road, Lowestoft, had advertised his professional practice by exhibiting cards containing statements claiming the use in the painless extraction of teeth of a wonderful preparation of his own, and comparing this with common fluids used by some; also containing a comparison of the fees charged by him with those charged by other dentists. He had also carried on his branch practice at Saxmundham by means of an unregistered assistant. Mr. Horne, who appeared, repeated the undertaking he had already given to discontinue all the practices complained of, and, Mr. Turner expressing himself as satisfied that this was the case, the Council did not see fit to remove his name from the Register.

The case of Thomas Abraham Rogers, Caledonian Road, London, N., came next. He was charged with habitually permitting an unqualified person named Merton to perform dental operations in his name at Watford, Hemel Hempstead, and Berkhamstead, and having advertised himself widely. Mr. Rogers did not put in an appearance, but sent a telegram "regretting that a previous engagement prevented him attending," and adding that he had sold his practice, and had no objection to having his name removed from the Register. The Council accordingly directed that this cheal description.

this should be done.

Edward Joseph Regan, dentist, 7 College Terrace, Swiss Cottage, London, N.W., was charged with covering an unqualified person named Louis Dupan by permitting him to practise in his (Regan's) name as his successor at 5 Stretford Road, Manchester, and also with advertising his own practice. Mr. Regan was prevented by ill-health from being present at the first inquiry, but he now attended, accompanied by his solicitor. After hearing evidence, and

on Mr. Regan undertaking not to offend again, the President intimated that the facts found were correct, but that judgment would not be given till next session, when Mr. Regan will have to give evidence of his conduct, especially with regard to advertising and to the employment of unqualified

persons.

The Council next entered on the scemingly superfluous inquiry as to whether a person named George Norman, now deceased, who, it was also found, was not now practising at the address, 25 The Grove, Hammersmith, given as his in the Register, though replies to inquiries had been hitherto received purporting to be signed by him, should be crased from it. They ultimately decided that it should be.

"He that to Cupar maun to Cupar."

Robert Orr, M.B.Edin., Ceres, Fifeshire, convicted at Cupar for assault, whose case had been postponed from last session, appeared and put in evidence to show that his eonduct had been "more settled and satisfactory," and indeed quite exemplary, for the last six months, and he promised amendment for the future. The President, while announcing that his name would not be erased from the Medical Register, solemnly warned him as to the habit that had led to his conviction, adding that a much more

serious view would be taken of any future complaint.
C. F. Dillon Shaw-Mackenzie, M.B.Edin., appeared before the Council last November, when a conviction for drunkenness was the basis of the charge of infamous conduct. He had been again convicted at Tynemouth the very next day. He did not now attend, and his name

was directed to be erased from the Medical Register.

Jean Leon Louis, M.B.Edin., 40 Castlereagh Street,
New Silksworth, near Sunderland, who had been convicted at the Durham Assizes of publishing a defamatory libel on two women, and was bound over in his own recognisances of 50l., to find a surety for 50l., and ordered to pay all costs, appeared, but was unaccompanied. He pleaded in a very foreign accent that the letter complained of was "ex-tremely private," and pointed out elaborately to the Council that the matter did not come under their purview. The Council, however, directed his name to be erased.

Two other erasures followed after deliberation in camera viz., William Gordon Hanna, M.D., Q.U.I., Pleck House, Whalley Road, Accrington, convicted at the Manchester Assizes of feloniously using an instrument to pro-cure miscarriage, and sentenced to five years' penal servitude; and Donald Murdoch, L.S.A., M.R.C.S., 28 Delauncey Street, Camden Town, N.W., convicted half-

a-dozen times of drunkenness.

Practically the whole of the academic business of the Council was got through in an hour between eleven and twelve on Saturday, when the session concluded. A memorandum from the Examination Committee on the adjustment of examinations in the curriculum gave rise to a debate, and it was finally agreed to circularise the licensing bodies for their opinion. The report from the same committee was referred to the Education Committee. The report from the Dental Education Committee recommended that a cycle of inspection should be commenced, and was adopted.

The British Pharmacopæia.

The report of the Pharmacopæia Committee was received and entered with the one remark, which fell from the President (the Chairman), that the sale of the Pharmacopæia continued to be remarkably steady; in fact, the sale this year had been larger than ever before. The report was as follows:

"From November 22, 1909, to May 23, 1910, the number of From November 22, 1909, to May 23, 1910, the number of copies of the British Pharmacopeia (1898) sold by the publishers was 549. The total number of copies sold in the year beginning May 23, 1909, was 1,127. The sale has thus been somewhat larger than in 1908-9. Up to the present time 41.915 copies of the Pharmacopeia and 4,470 copies of the Indian and Colonial Addendum have been sold. The stock now in hand consists of 1,115 copies of the Pharmacopeia, together with 1,864 copies of the Addendum. This stock will probably suffice to meet the demand during the next twelve months.

"A meeting of the conference of members of the committee

A meeting of the conference of members of the committee A meeting of the conterence of members of the committee with representatives of the Pharmaceutical Societies of Great Britain and of Ireland was held on May 21, 1910. A second report from the Committee of Reference in Pharmacy was presented in manuscript, giving the results of the work done

by the committee to December 16, 1909, together with recommendations on particular subjects supplementary to those contained in the similar report of 1908. The conference recommended that the Pharmaeopæia Committee should print and publish the report, in order that its suggestions might be submitted for professional criticism. The committee have adopted the recommendation, and copies of the print will be circulated among members of the Council and others interested, and communicated to the medical and pharmaceutical journals.

"The Sceretary of the Committee of Reference, Professor Greenish, is of opinion that by May 1911 his committee will be able to present a final report on the revision of the pharmaecutical sections of the Pharmacopeia.—Donald MacAlister, Chairman."

More Work, Less Pay.

In presenting the report of the Finance Committee, Mr. Tomes pointed out that in spite of the multiplication of schools and licensing bodies, the number of medical students does not increase, and the receipts from registration decrease, while the Council is growing in numbers; and though the fees of all the new representatives are not paid by the Council, it would have to pay them eventually, and each member cost from 50%, to 120%, annually. The report from the Students' Registration Committee drew from Sir Henry Morris a protest that some of the statements were absolutely untrue, and it was referred to the Education Committee.

After the usual amenities the Council rose.

Some Dutch Formulae.

COLLECTION of fifty formulæ for the use of A medical men has been published by the Hollandsche Maatschappij ter bevordering der Pharmacie. They are frankly put forward as intended to replace proprietary preparations in doctors' prescriptions.

Agar-Agar Cascaratus. Agar-agar, in small

pieces 50 grams

cara sagrada (de-bittered) 15 grams Macerate for a week, wash, and dry by means of quicklime.

Glycerinum Gelatinatum. Gelatin 1.8 gram Glycerin 12 grams Distilled water ... 86.2 grams ... 12 grams ... 86.2 grams Oil of rose-geranium 2 drops

Pilulæ Colæ Compositæ.

Iron and quinine ottrate 2.5 grams
Strychnine nitrate 75 m.grams
Dried extract of kola 2 grams
Calcium glycerophos-

7.3 grams

Powdered marsh-mallow root 1 gram

Make into 50 pills and roll in tincture of catechn. One pill equals 5 grams or a teaspoonful of compound kola syrup.

Unguentum Lanovaselini.

Pulvis Zinci Adipatus. Lanovaselin ointment 10 grams Zinc oxide 35 grams

5 grams Mix and powder finely. This can be tinted with 2 grams of cobaltic oxide.

Oleum Olivarum Acidum. Pure oleic acid 6 grams Olive oil 94 grams

Pulvis Oxydi Magnesii et Nitratis Bismuthi basici. Magnesium oxide ... 40 grams Calcium carbonate 6.5 grams Basic bismuth

Rhubarb powder ... 5 grams
Oleosaccharin of
peppermint ... 5 grams

Unguentum Gelatinatum.

Gelatin ... 2.1 Water to make 100 grams

Unguentum Stearanilidi. Stearanilide ... 3 grams Yellow vaseline ... 97 grams Vinum Chinæferratum Com-

positum. Extract of cinchona 700 m. grams Alcohol 15 grams Dissolve, and mix with a solu-

Pyrophosphate of iron (citrosodic) 500 m. grams in water 5 grams.

Syrup of Filter.

PORTO RICO TRADE. - Since Porto Rico passed under United PORTO RICO TRADE.—Since Porto Rico passed under United States rule the trade of the island with the United Kingdom has grown appreciably less. Chemicals, however, are an exception, tho value of imports from the U.K. being 2,044. against 684*l*. in 1908. From the United States the imports included chemicals, drugs, etc., valued at 70,566*l*. (68,895*l*. in 1908), celluloid and manufactures of 2,416*l*. (2,414*l*. in 1908), dental goods 594*l*., perfumery and cosmetics 9,69*l*. (23,703*l*. in 1908), photographic goods 3,957*l*., soap 84,926*l*. (74,923*l*. in 1908), and spices 2,854*l*. (2,596*l*. in 1908).

Pharmaceutical Society of Great Britain.

COUNCIL-MEETING.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on June 1. The first business was the election of a President, Mr. J. F. Harrington being unanimously re-elected. The same happened in the case of the Vice-President (Mr. W. L. Currie) and the Treasurer (Mr. W. H. Gibson). The officers of the Society were also reappointed. The President then made suitable reference to the death of Mr. Michael Carteighe and moved a resolution recording Mr. Carteighe's services to the Society. This was seconded by the Vice-President and supported by Mr. Harrison, Mr. Young, Mr. Allen, Mr. Cross, and Mr. Bremridge. A letter was also read from Mr. Walter Hills. The resolution was carried in silence, the members of the Council upstanding. The Treasurer and Mr. Campkin reported that the Benevolent Fund balances have improved. Mr. W. A. Storey was appointed Redwood Scholar, and the first award of the J. C. Hewlett Scholarship was made to a woman, Miss Dorothy Jessie Bartlett. The increase in the payments for spirit-licences presses very hardly on those who hold these licences for the sale of pure spirit, and on the recommendation of the General Purposes Committee the proper authorities are to be approached with a view to obtaining redress. The new committees were appointed, the greatest change being in regard to the organisation work. The old Organisation Committee has been replaced by a Local Association Committee, with objects that show a desire to get more in touch with local associations. The list of awards in the school examinations was approved of, the Martindale silver medal being won by Mr. A. L. Davidson.

The Councillors present were Mr. J. F. Harrington (in the chair), Mr. W. L. Currie (in the vice-chair), Mr. C. B. Allen, Mr. A. S. Campkin, Mr. W. G. Cross, Mr. J. H. Cuff, Mr. F. J. Gibson, Mr. W. H. Gibson, Mr. R. L. Gifford, Mr. D. Gilmour, Mr. A. Hagon, Mr. J. Harrison, Mr. A. E. Hobbs, Mr. E. T. Ncathercoat, Mr. C. J. Park, Dr. C. Symes, Mr. R. C. Walshaw, Mr. E. White, and Mr. J. R. Young.

THE LOYAL ADDRESS.

The minutes of the previous meetings having been read, the Chairman announced that an acknowledgment had been received from the Home Office of the resolution passed at the annual meeting regarding the death of King Edward VII.

Election of President.

The CHAIRMAN welcomed Dr. Symes on his return to the Council after a year's absence, and Dr. Symes having replied, the meeting proceeded to elect a President. This is carried through according to precedent, the voting papers Leing severally deposited in the ballot-box. The papers are then turned out of the box by the Secretary, who calls out the name of the person for whom a vote is recorded, whilst the Chairman ticks off the votes on another list. The result was that Mr. J. F. Harrington was unanimously re-elected President. The Secretary invested Mr. Harrington with the chain of office, and the President thanked the Council for re-election—an evidence of renewed confidence and that what he had done in the past year had met with the approval of his colleagues. (Hear, hear.)

ELECTION OF VICE-PRESIDENT AND TREASURER.

Mr. W. L. Currie was next, after similar procedure, reelected Vice President, and in thanking the Council Mr. CURRIE jokingly referred to the caricature of him which appeared in The Chemist and Druggist. He said ho felt

he ought to apologise for not appearing in national costume —(laughter)—but he was glad to say that his legs were not quite so thin as depicted by the artist. (More laughter.) Ho referred to the new scheme for welding together the local associations, and said the Society might count on him to do his best to further the scheme in any way he could. (Hear, hear.)
Mr. W. H. Gibson was next re-elected Treasurer, and

suitably thanked his colleagues.

THE LATE MR. CARTEIGHE.

The President then referred to the death of Mr. Michael Carteighe. [The portrait of Mr. Carteighe which hangs in the Council Chamber was draped with violet velvet and the chair usually occupied by him was left conspicuously vacant.] The President said it was one of the most trying moments of his official life to refer to Mr. Carteighe's death, and to move a resolution placing on record his services to the Society. For over forty years Mr. Carteighe had been connected with the Society, and rad during that time endeared himself to everyone. Throughout his life he had done good work. Only a few days ago a friend told him (the President) what a zealous apprentice Mr. Carteighe was; he never handled a drug or chemical without wanting to know something about it, and in this way accumulated a vast store of information. If Mr. Carteighe had one hobby more than another it was the School of Pharmacy, with respect to which he never spared himself any trouble or expense. He will be missed also on account of his work on the Bencvolent Fund. On more than one occasion at the end of the year when the funds were low he had come forward and given a liberal amount to relieve the situation. One could not offend him more than by mentioning his charities, which were many. The President here read a letter from Mr. Walter Hills, a Past-President of the Society, in the course of which he wrote:

"Be assured that you and my former colleagues have my heartfelt sympathy on the serious loss you have sustained by the death of our dear friend, our loyal, brave, and generous friend, Michael Carteighe. I am thankful that I had the opportunity of seeing him and conversing intimately with him on the 11th inst. in Mortimer Street.

"For him, having regard to his bodily affliction, death must be a release from pain and loneliness; but for us, his old friends, his departure from us leaves us in much sorrow.

The President, continuing, said he had given orders for the premises in London and Edinburgh to be closed on June 2, the day of the funeral. He then asked Mr. Bremridge to read the following resolution:

"That this Council, while recording the overwhelming loss sustained by the death of Mr. Michael Carteighe, desires to recall with a sense of profound gratitude the unexampled services freely given by him to the Pharmaceutical Society of Great Britain, to pharmacy, and to pharmacists during more than forty years' consistent endeavour to advance the interests of the calling which he loved and adorned. The members of the Council have to mourn the removal of a beloved colleague the Council have to mourn the removal of a beloved concague and former leader, a sympathetic helper and an unfailing friend, and to each of them the personality of Michael Carteighe, as well as the work he accomplished or attempted, will ever remain glorious and inspiriting memories—un-perishable mementoes of a strong, large-hearted, and noble-minded fellow-worker."

The Vice-President seconded the resolution. He said they would always miss Michael Carteighe and regard his memory with freshness and greenness. He was a striking personality, with the courage of his convictions. Nevertheless whenever a compromise had been arrived at he was always the first man to say that the best had been done. The example of what he accomplished gave others the opportunity of learning what will-power can do. He has been a large part of the history of the Pharmaceutical Society of Great Britain, and his name will go down as one of the Society's strongest supporters. His name was, indeed, world-wide, and when the news travels there will be a tone of regret in the uttermost parts of the earth. He (Mr. Currie) had known Mr. Carteighe for twentyfive years, and recalled the warm welcome he received from him when he (Mr. Currie) joined the Council. All there had lost a personal friend and one who cid his best according to his ability.

Mr. HARRISON said they were in the presence of a very great sorrow and loss. Mr. Carteighe's connection with the Society extended over a very long time as student, examiner, councillor, and President. He was a perfect master in pharmacy, and no man had a greater knowledge of the working of the Society. He was always a generous opponent, and although he was a hard hitter and steady fighter there was no trace of rancour in him. A great man had departed from them, and pharmacy is distinctly the poorer. Words failed on such occasions, but in that house which he loved so much it was perhaps only necessary to say as of another great man, Si monumentum requiris, circumspice.

Mr. Young said the passing away of a magnificent type of man gives deep regret and thought. He was after all a human being, and tinged with those errors with which all men are tinged; but in that great Doomsday book when the great balance is struck there will remain a very large amount of good to his credit. He showed great generosity, an all-pervading sympathy, a never-failing friendship, remarkable experiences, a detestation of humbug, a horror of snobbery, and a personality unique in the annals of pharmacy. It is not well to be pessimistic on these occasions, but he felt that it will be a great many years before

they look upon his like again.

Mr. Allen said it was one of the saddest duties he had ever had to do to support that resolution. It was twentyeight years since he first came in contact with Mr. Carteighe, who was at that time an examiner. He (Mr. Allen) was but a rough country lad, and soon tripped in the examination, but he should never forget the way Mr. Carteighe framed his questions so as to bring out what the candidate knew, thus enabling him to rectify mistakes. Later he (Mr. Allen) came into eloser contact with his former examiner, and he believed he was a member of the Council during the whole of the fourteen years of Mr. Carteighe's presidency. He saw then one of the brightest epochs of the Society, when an enormous amount of work was done, a great deal of which was owing to Mr. Carteighe. He had lately had several conversations with Mr. Carteighe, who, even after his great affliction, was cheerful and bright, and took as whole hearted an interest in the Society as ever.

Mr. Cross said he first met Mr. Carteighe in the examination room forty years ago. He had the reputation of being a very strict examiner, but to those who really knew him there was no man more sympathetic. For twenty-four years he had been his colleague at that table, during which time he had had ample opportunities of observing the brotherly way in which he expressed his approval of everything and the kindly eounsel and material help he gave. A great man has gone from them, one whose sympathics never grew old. "We were all his colleagues and all his friends," concluded Mr. Cross, "and from us he has received an affection which few men could possibly have. He was our friend, faithful and just.

The Secretary, who spoke with emotion, said he should like on his own behalf and on behalf of his fellow officers to say how sensible they were of the great loss they have sustained. There was no man in that house but had at one time or another been encouraged by Mr. Carteighe's ready sympathy and stirred by his courage and the noble generosity of his character. All felt the better for being associated with such a man, and they would ever cherish his memory as a kind-hearted friend of them all.

The President then put the resolution, and it was passed upstanding and in silence.

OFFICERS REAPPOINTED.

The Secretary and Registrar, Curator, Editor, and Assistant Secretary in Scotland were then unanimously reappointed, and the Standing Orders were adopted.

ELECTIONS AND RESTORATIONS.

Eight student-associates were next elected and sixteen members. The restorations to the Society numbered fortyfive, and three persons had their names restored to the Register of Chemists and Druggists.

ETNANCE

The report of the members acting as a Finance Committee was then presented by Mr. W. H. Gibson, the following being the main features:

General Fund Receipts.

Penalties and ec	sts				£156	14	4
Subscriptions					228	7	6
" Journal" and	publ	lieatio	ns		799	0	3
Restoration fees						2	0
Registration fees	3				50	8	0
School fees					4	4	0
Rent					54	2	11
				£	1,314	19	0

This with the sum remaining from the previous month made a balance of 3,668l. 3s. 1d., from which the following payments were recommended to be made:

"Journal" and publications		£563 8 3	
Stationery, etc		67 8 10	
Current expenses		300 0 0	
Salaries, etc		893 11 8	
School and examinations		62 7 6	
Law eharges		23 19 0	
House		196 19 3	
	-		
	£	2,107 14 6	

The following balances were shown on the Benevolent Fund:

Current account	 	 £645	19	2
Donation account	 	 33	5	1
Orphan Fund	 	 65	19	0

Mr. Gibson, in moving the adoption of the report, remarked that there was nothing abnormal to which to call attention. The finances were in a better position than they were a year ago. The Benevolent Fund still continues to receive special gifts; during the month three guineas had been received from the Torquay Chemists' Association, and two guineas, the proceeds of a smoking concert held by the Public Pharmacists' and Dispensers' Association.

The report was adopted.

The Treasurer was also authorised by resolution to pay to the Redwood and Burroughs scholars the first moiety of their scholarships.

BENEVOLENCE.

The report of the acting Benevolent Committee was next considered in committee, after which

Mr. Campkin, in moving the adoption of the report, said that the claims on the fund were fewer than usual. Grants were made in three cases, and the consideration of three other cases was deferred. He referred to the more satisfactory condition of the fund, but reminded the members that a large sum has to be immediately paid away in annuities.

Mr. Cross said that in two of the eases considered yesterday there were children who could have been helped if their parents had subscribed to the Benevolent Fund, this being essential before such eases can benefit by the Orphan Fund.

Mr. Allen said the Orphan Fund was one of the best institutions in connection with the Society, but its working is not so fully explained by local secretaries as it should be. A chemist need only subscribe 2s. 6d. to the Benevolent Fund for three years to confer the benefits of the Orphan

Fund upon his children in ease of need.

Mr. Gilmour remarked that although there were few cases before the committee there were three cases deferred, and these take up more time than normal cases. It is curious, he added, that applicants are sometimes unwilling to give the necessary information.

The report was adopted.

LIBRARY, MUSEUM, SCHOOL AND HOUSE.

The report of this committee was presented by Mr. WHITE. It had to do with the state of the Society's libraries and museums and the times of closing during the summer months. The Curator was given leave of absence to attend the meeting of the Museums' Association at York in July. Messrs. Parkinson's account for 81. 9s. 6d. was approved of, and it was recommended that 100l. be paid on account of contract work. Mr. Nettley's account for 121. 19s. for electrical work was also approved.

The REGISTRAR reported that he had received an application for the Redwood Scholarship from Mr. W. A. Storey, and, on the recommendation of the Dean and Professor Crossley, the committee nominated Mr. Storey for election by the Council. An invitation to send delegates to the International Hygiene Exhibition at Dresden in 1911 was considered, but it was decided not to appoint delegates.

The report was adopted.

APPRENTICES REGISTERED.

The Registrar reported that he had registered twentythree persons as apprentices or students during the month.

SCHOOL EXAMINATIONS.

Part of the report of the acting General Purposes Committee was next taken. The following awards were recommended to be made as the result of the recent examinations at the School of Pharmacy:

Botany.-Bronze medal, William Honneyman; first certificate of honour, Alfred Green; second certificate of honour, Dorothy Jessie Bartlett.

Chemistry.—Bronze medal, Dorothy Jessie Bartlett; first certificate of honour, Wm. Honneyman; second certificate of honour, Alexander Linton Davidson and Ellen Blanche

Practical Chemistry.—Bronze medal, Dorothy Jessie Bartlett; first certificate of honour, Alfred Green; second certi-

lett; first certificate of honour, Alfred Green; second certificate of honour, Wm. Honneyman.

Materia Medica.—Bronze medal, Wm. Honneyman; first certificate of honour, Percy Edwin Moore; second certificate of honour, Alfred Green and Harry Alan Taylor.

Pharmacy.—Martindale silver medal, Alexander Linton Davidson; first certificate of honour, Wm. Honneyman; second certificate of honour, Dorothy Jessic Bartlett.

The J. C. Hewlett Scholarship was recommended to be awarded to Miss Dorothy Jessie Bartlett.

INCREASE OF SPIRIT DUTIES.

The acting Committee also reported that they had considered the working of the Finance Act in regard to spiritlicences. Mr. Walshaw had brought before the committee a case where a licence held for the sale of pure spirit had been increased from thirteen guineas to 301., and the annual profit was only 20%. The committee recommended that the proper authorities be approached in regard to the unfairness of the licences in such cases.

Appointment of Committees.

The principal change made in the Committees was in constituting a Local Associations Committee in place of the old Organisation Committee. The work of this Committee was thus defined:

"To confer with representatives of local Associations: to have charge and direction of any officers appointed to visit these Associations; and to ensure a systematic interchange of information between local workers in pharmacy and representatives of the Society.

The Committee consists of Messrs. F. J. Gibson, Gifford, Hagon, Hobbs, Neathercoat, and Walshaw.

The other Committees were constituted as follows:

Parliamentary and General Purposes.—All the members of the Council.
Finance.—Messrs.

Allen, Cuff, W. II. Gibson, Hobbs,

Neathercoat, and White.

Library, Muscum, School, and House.—Messrs. Allen,
Campkin, Cuff, Hobbs, Neathercoat, and White.

Benevolent Fund.—Messrs. Campkin, Cross, F. J. Gilson,

W. II. Gibson, Gilmour, Harrison, Park, Symes, and Wal-

Law.—Messrs. Allen, Cuff, Gifford, Hagon, Hobbs, Neather-coat, Newsholme, White, and Young.

"Journal" and Publications.—Messrs. Allen, Gifford,

Hagon, Neathercoat, Newsholme, Walshaw, White, and

Examination and Education.—Messrs. Allen, Cross, Gilmour, Hobbs, Neathercoat, Newsholme, Rowsell, White, and

The parts of the report as given above were adopted. Dr. Symes asked whether, when the authorities are approached in regard to the spirit-licences, the question of rebate on medicinal spirits will be borne in mind.

The President: I will bear that in mind.

Mr. Cifford: It has already been disposed of by the Parliamentary Secretary.

Dr. Symes: Since then the Transvaal chemists have succeeded in getting the Excise to admit a rebate on medicinal spirit, and it may be possible to make use of this example with our own Excise.

OTHER MATTERS.

The arrangement of the evening meetings was left to the President and his advisers.

The President was also entrusted with the duty of finding a suitable person to deliver the inaugural address at the opening of the session of the School of Pharmacy in

The Joint Matriculation Board, Manchester, asked for the recognition of the Senior School Certificate and the School Certificate granted under the recently adopted University scheme for the inspection and examination of schools in Manchester, Liverpool, Leeds, and Sheffield. This was referred to the Boards of Examiners.

The Torquay Chemists' Association asked the Society to take steps to obtain for elemists who are witnesses in the courts a regular fee of one guinea per day in addition to travelling expenses; also to take action in connection with the "Mercer ease. This was referred to the Law Committee.

The North Kent Chemists' Association forwarded expressions of regret at the resignation of Mr. Walter Hills, and of support to the official resolution concerning the death of King Edward VII.

This concluded the public business.

Funeral of Mr. Carteighe.

A LARGE COMPANY of metropolitan and provincial pharmacists and scientific friends of the late Michael Carteighe assembled at the Kensington Cemetery, Hanwell, on Thursday afternoon to pay him the last possible earthly honour. The funeral cortège arrived at the cemetery from Goring at day afternoon to pay him the last possible earthly honour. The funeral cortège arrived at the cemetery from Goring at 12.30, among those who travelled in the coaches being Mr. and Mrs. John Carteighe, Mr Simpson, the Rev. Arthur Chilton, D.D. (Headmaster of the City of London School), Mr. Burton Rowe, Dr. Evans, Mr. Haig, Mr. Castle, Mr. Bascombe, Mr. E. Street, Mr. A. L. Savory, and Mr. John Humphrey. The service was conducted by Dr. Chilton, who is a nephew of the late Mr. John C. Brough. His relative Miss Mary Brough (an intimate friend of Mr. Carteighe) was one of a group of ladies present, Mrs. Edmund White, Miss Margaret Buchanan, and Miss Beddell among them. The Pharmaceutical Society was represented by the President (Mr. Harrington), Vice-President (Mr. Currie), Messrs. Allen, Cross, Cuff, F. J. Gibson, A. Hagon, A. E. Hobbs, Park, White, and Young (members of Council), I. Bourdas (Auditor), Bremridge (Secretary and Registrar), Glyn-Jones (Parliamentary Secretary), A. J. Chater, Jones, and H. Moon (office staff), Knapman (Librarian), Professors Crossley and Greenish and W. J. U. Woolcock. Mr. Pilcher (Secretary of the Institute of Chemistry) was present, along with Sir William A. Tilden and Dr. H. E. Armstrong. Mr. Pilcher (Secretary) of the Institute of Chemistry) was present, along with Sir William A. Tilden and Dr. H. E. Armstrong. Mr. Piddwas there on behalf of the Manchester Pharmaceutical Association, and Mr. A. W. Gerrard for the Midland Association. Among others were Dr. Schacht (son of the late G. F. Schacht), Dr. Teneh, Mr. A. J. Phillips, and several others who were formerly with Dinneford & Co. in Old Bond Street, Mr. C. J. Radermacher and Mr. Charles Umney (who was his assistant when Mr. Carteighe was his apprentice), Mr. George E. Pearson (Master of the Galen Lodge of Freemasons) and Mr. C. J. Radermacher and Mr. Charles Umney (who was his assistant when Mr. Carteighe was his apprentice), Mr. George E. Pearson (Master of the Galen Lodge of Freemasons) and Mr. J. B. S. Lancaster (its Secretary). Mr. Henry Walker (Publisher) and Mr. Peter MacEwan (Editor) of The Chemist And Druggist, Mr. F. C. J. Bird, Mr. Lansdowne, Mr. W. A. H. Naylor, Mr. E. J. Millard, Mr. H. Finnemore, Mr. A. Dyson, Mr. Gulliver, Mr. A. E. Tanner, Mr. F. A. Rogers, Mr. C. E. Stuart (Newcastle-on-Tyne), Mr. P. F. Rowsell (Exeter), Mr. Murton Holmes, Mr. Donald Watson, and Mr. S. J. Weston. After the Lessons had been read the company adjourned to the grave (in which the lid of Mrs. Carteighe's coffin was plainly seen), and there the service was completed. There were many beautiful wreaths, the Pharmaceutical Society, Institute of Chemistry, School of Pharmacy Students' Association, Chemists' Ball, Manchester. Brighton, and Midland Pharmaceutical Associations, the Galen Lodge (of which Mr. Carteighe was P.M.) and other Masonic bodies, and the Messrs. Hugill being among those who sent flowers. who sent flowers.

LIEBICINE, a disinfectant examined by Dr. Richter, is stated to consist of 23 per cent, of caustic soda with denatured alcohol and 5 per cent, of linseed meal.—Apot. Zcitung.

Association Affairs.

Brief Records.

Three Towns Pharmacists' Association.-The quar-Three Towns Pharmacists' Association.—The quarterly meeting was held in the library, Whimple Street, Plymouth, on May 26. Among those present were Messrs. W. Condy U'Ren (in the chair), C. W. Bracken, S. A. Perkins, J. D. Turney, E. G. Turney, F. A. Goodwin, F. A. Spear, A. Barber, H. Andrews, A. C. Cannon, Harvey, Stevenson, Smith, N. Barber, and F. J. Barge (Hon. Secretary). Mr. Hedley Clarke having been elected a member of the Junior Section, and the correspondence and necessary business being disposed of, Mr. C. W. Braeken, B.A., gave a lecture on "Oak Galls." of, Mr. C. W. Bracken, B.A., gave a lecture on "Oak Galls." The lecturer dealt with the many varieties of English galls, many of which occurred locally, and specimens collected by the lecturer were on view. The different types of gall-fles responsible for gall-formation were illustrated by a large number of fine diagrams. A hearty vote of thanks was accorded to Mr. Bracken for his interesting and instructive lecture. lecture.

Harrogate Pharmacists' Association .- The annual Harrogate Pharmacists' Association.—The annual general meeting was held at the Salisbury Hotel, on Friday evening, May 27, Mr. H. G. Mitchell (President) in the chair. The number of members present was small, and included Messrs. Eynon. Fenn (Treasurer), Pattison, Simpson, Lambert Fisher, Sol. Taylor, C. Mote, and C. B. Southwell (Secretary). The Secretary's and the Treasurer's reports were read and adopted. The financial position of the Association was shown to be excellent. The Secretary reported that eight guineas had been sent by the Association to the Pharmaceutical Benevolent Fund during the session. Mr. C. E. J. Evnon. guineas had been sent by the Association to the Pharmaceutical Benevolent Fund during the session. Mr. C. E. J. Eynon was unanimously elected President. The retiring President was elected Vice-President The Sccretary and Treasurer were re-elected and heartily thanked for their past services. Messrs. Weston, Atkinson, Simpson, and McMillan were elected to serve on the committee, and Mr. P. Ridge was appointed auditor. Mr. Sol. Taylor in a characteristic speech complimented Mr. Mitchell on the success of the past session, and a very hearty vote of thanks was given to Mr. Mitchell. Mitchell.

London Chemists' Association .- A meeting of the General Purposes Committee was held at 19 Kennington Terrace, London, S.E., on June 1, with Mr. F. W. Truman in the chair. Messrs. F. H. Glew, H. Slator, and J. Wellesley Douglas (Hon. Secretary) were also present. Mr. J. Paul Inch was elected a member of the Association, and a vote of thanks was accorded to the donors of prizes at the whist-drive held in connection with the dinner. It was mentioned that the latter was a financial as well as a social success, showing a profit of nearly 3/. The Association's thanks were also accorded to Mr. Donglas for his successful arrangements in connection neariv 31. Mr. Donglas for his successful arrangements in connection therewith. It was decided to acknowledge a letter from the P.A.T.A. re buying clubs. Letters from Mr. R. Willson and Mr. J. T. De Peare were also dealt with. A communication from the C.D.A. re chemists' fees at coroners' inquests was delegated to the next general meeting. The Local Government Board's inquiry re unqualified medical practice, counter prescribing, and the sale of abortefacients also came under consideration. On the motion of Mr. Glew, seconded by Mr. Slator, it was decided to send a letter of condelence with the Slator, it was decided to send a letter of condolence with the family of the late Mr. Michael Carteighe. The date of the postponed annual meeting was fixed for Wednesday, June 29, at 3 P.M., at St. Bride Institute.

Tees-side Chemists' Association.—A general meeting was held at the Albany Restaurant, May 26, with the President (Mr. W. Finlayson) in the chair. Mr. W. R. Brackenbury moved a resolution that separate branches of the T.S.C.A. be formed at Middlesbrough and Stockton, each to work independently of the other. The proposer explained at some length the unnecessary trouble and loss of time entailed upon members in travelling between the two towns, especially as a meeting had often to be called which affected the chemists of one town only. He accordingly suggested separate branches, and when a general meeting was needed affecting the interests of the absorber of the whole of the affecting the interests of the ehemists of the whole of the district served by the Association, it could be called at either town, as most convenient to the generality of the members. Mr. Lee, in seconding the motion, pointed out that the step should be taken with a view to increasing the membership and consequent interest in the Association. After a long discussion, in which it was made clear that the Association would still continue under its old name and under the control of a general President, whatever sectional Presidents might be appointed, Mr. Brackenbury's motion was agreed to A sub-committee consisting of Messrs. Brackenbury, Ellington, of Middlesbrough, and Messrs. Mossom and T. Johnson, together with the President, were appointed to formulate a scheme and place it before the annual meeting in October.

Cheltenham Chemists' Association.—At the meeting held at 5 Promenade on May 26, Mr. Freshfield Reynolds (President) occupied the chair. There were also present Messrs. W. Barron, J. Fletcher, F. T. Palmer, J. A. Thomas, L. L. Stroud, H. B. Clarke, J. Chambers, A. C. Saxby, A. Milne, W. Marchant, T. T. Dolman, A. Hill, C. H. James, H. B. Lloyd, J. P. James, W. Palmer, and W. H. Hill (Hon. Secretary). Before passing to the ordinary business, the President said the members desired to place on record their profound sense of the irreparable loss which not only the British Empire but the world at large has sustained by the death of King Edward VII. The appointment of delegates to attend the Conference was referred to the committee. Regarding the question of supplying proprietary articles to the orders of itinerant canvassers, the following resolution was Cheltenham Chemists' Association .- At the meeting orders of itinerant canvassers, the following resolution was passed unanimously:

That in view of the extremely unsatisfactory methods of advertising recently employed by certain firms, we the undersigned chemists of Cheltenham and district pledge ourselves that in the event of any such methods being intro-duced into our town we will absolutely refuse to execute orders received by these itinerant canvassers until the matter has been dealt with by our local Association and a common course of action agreed upon.

The Rev. Canon Gardner then gave a very able and eloquent paper on "Heredity," and was listened to with great interest for over an hour, when a hearty vote of thanks was accorded the reverend gentleman.

Antwerp Society of Pharmacy.-The seventy-fifth anniversary of the foundation of this Society was celebrated on Sunday last. In the afternoon

Sunday last. In the afternoon about 100 guests were received at the Hotel de Ville. Drs. Veneseen and Degueldre, and Dr. Desguin, the Sheriff, welcomed the guests. M. Haazen, President of the Society, thanked him, the loving cup was sent round, and in ac-cordance with local custom the goblet was given to the President. The guests then visited the magnificent halls of the Hotel de Ville, meeting subsequently in the Hall of Marriages, where the solemn commemorative function took place. M. Haazen presided, and after an introductory speech after an introductory speech called on M. Eyckmans, Secretary of the Society, who read a report reviewing the work of the past twenty-five years. The delegates having spoken, M. Lengrand, in the name of the Syndicate of Pharmacists of France,



in the name of the Syndrcate of Pharmacists of France, presented the President with an artistic commemorative medal. The guests dined in the Café Suisse, and the frankest cordiality characterised the proceedings, which were prolonged late into the night. The emblematic menu card bore a sketch of a bust of Petro Gaudenberg, who founded the Society in 1835. The Society will invite the members of the International Commercial Pharmacist the held in Bussels to International Congress of Pharmacy to be held in Brussels the International Congress of Pharmacy to be held in Brussels to an exeursion on the Escaut, and to a luncheon and a reception at the Antwerp Town Hall by way of concluding the festivities of the Society's year of Jubilee.

held at Parliament Mansions, Victoria Street, London, S.W., on May 25, at 7.30 p.M., Miss Buchanan in the chair. There was a very good attendance of members and their friends. Miss Kathleen Spencer, of High Wycombe, read a paper on "Professionalism rersus Commercialism in the Retail." She stated that there are comparatively few womens about the commercial state of the commercial state. Association of Women Pharmacists.-A meeting was pharmaeists in retail up to the present, but there will probably be more in the future, and she urged those entering this branch to remember that they are pioneers, and to avoid, as far as possible, making the mistakes by which avoid, as far as possible, making the mistakes by which chemists in the past had injured their present position. Unquestionably, she said, personality is the strongest weapon, and the professional and personal sides of the calling should be developed to as great a degree as possible. No woman pharmacist should sell her services to an unqualified company. Miss Spencer suggested the formation of a company, the directors and employées of which should be registered women chemists and inviting the public to be sharpholders. She directors and employees of which should be registered women chemists, and inviting the public to be shareholders. She thought such a scheme has in it the elements of success. Miss Spencer then dealt with the question of training girls for pharmacy. The first year, she said, should be spent in theoretical study, the second in practical pharmacy and dispensing, and the third in counter work. After that preparation for the Minor, and if possible Major, Examinations should follow. In the discussion, Miss Buchanan, Mrs. Clarke-Keer, Mrs. Freke, Miss Wardle, Miss Wheeler, Miss Falconer, Miss Borrowman, Miss Wren, and Miss Brennan took part. Referring to apprenticeship, Miss Buchanan suggested that training in hospital dispensing should form part of the three years' curriculum. She would propose one or the three years curriculum. She would propose and one year's theoretical work, one year in a hospital pharmacy, and one year in a retail pharmacy. The proposed company of qualified women was much discussed, many of the members deeming it impracticable. Mrs. Clarke-Keer and Mrs. Freke gave the meeting the benefit of their practical experience in the retail; and many questions relative to the starting of a the retail; and many questions relative to the starting of a retail pharmacy were asked by members, to which Miss Spencer replied, and she was cordially thanked on the motion of Miss E. Cole, seconded by Miss Borrowman.—The annual general meeting of the Association will be held this month. Nominations are required for the following officers: Vicepresident, secretary, treasurer, and two members of committee.

Poison Licences.

(Poisons and Pharmacy Act, Sec. 2.)

Notice of Application.

NEWPORT (MON.).-John Phillips & Son, seed merchants, 5 Commercial Street.

Application Refused.

MIDDLESEX.—The County Council on May 26 refused the application of James John Foster, Great Stanmore Nurseries, on the ground that the local requirements are already satisfied, as they were when the same application was refused in 1909.

Renewal of Licences.

BARNSTAPLE.—The Town Council have renewed the poison-

BARNSTAPLE.—The Town Council have renewed the poison-licences of J. G. Hamling and John Trump.

LUTON.—The Town Council have renewed the licences of Messrs. W. J. R. Eade, Ltd., 14 Park Square and 201 Dunstable Road; J. Horton & Co., Cheapside; J. F. Tooley,

stable Road; J. Horton & Co., Cheapside; J. F. Tooley, 44 Park Street—all corn dealers.
MIDDLESEX.—The County Council have renewed the licences of Thomas Trusler, Windmill Road, Enfield; Harry E. Fordham, 171 Richmond Road, Twickenham; and Joseph Tromow, Sutton Court Road, Chiswick, all nurserymen.

Inspectors Appointed.

The Middlesex County Council have appointed Messrs. R. A. Robinson, C. E. Oldham, H. S. Radford, and J. W. Ward as inspectors of premises where poison is sold under licences granted by the Council.

Medical Gleanings.

Nasal Disinfection.

Dr. Vincent ("L'Union Pharmaceutique") recommends the following inhalant as an efficient disinfectant for the nasal passages and to prevent infection:

Iodine				12	grams
Th					grams
Cusingel				_	0
	• • •	*	• • •		grams
	* * *				gram
Alcohol (60 per cer	it.)			200	e.c.

A little of this is put in a porcelain capsule, which is then placed in an outer vessel of very hot water. The vapours which are given off are alternately drawn up the left and right nasal passages.

Stomach Ulcers.

The treatment recommended by Professor Bourget ("Apot. Zeitung") is to administer tablets of gelatinised ferric chloride made as follows: Dissolve with a gentle heat 100 grams of gelatin in 100 grams of water and the same quantity of glycerin. When solution has taken place add rapidly 50 grams of liquid perchloride of iron when a coagulation takes place. On warming and shaking constantly a homogeneous precipitate is obtained. The mass is poured on to tin plates and divided into 1 cm. squares. Two or three of these tablets are given two or three hours after each meal. The bowels are regulated by taking 150 grams of an artificial mineral water made by dissolving the following powder in water:

Sodium bicarbonate ... 8 grams Sodium phosphate, dried ... 4 grams Sodium sulphate, dried ... 2 grams

Divide into eight packets. One packet is dissolved in a litre of warm water.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buillings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," May 18, 1910.)

"Montserrat Antiseptico Dentifrico Vegetal," and device of mountain-tops; for herbal dentifrices from Montserrat (48). By J. M. Campá, 34 Rue Trafalgar, Barcelona. (48). B 319,730.

Label device with letters "S-A-H," and interlaced initials "A. E. J."; for perfumery, etc. (48). By A. E. Jarvis, Hôtel de Paris, Cromer. 320,980.
"Swaree"; for a hair-preparation (48). By J. S. Reed,

9 Westwell Street, Plymouth. 322,091.

(From the "Trade-marks Journal," May 25, 1910.)

"PAWLUCAS"; for medicinal chemicals (3). Co., 25 Victoria Street, London, S.W. 319,170.

Hux-Sal."; for medicinal chemicals (3). By Anglo-American Pharmaceutical Co., Ltd., 59 Dingwall Road, Croydon, Surrey. 321,206.

"Silvoids"; for medicines (3). By Silvoid Co., 35 Milton Road, Hanwell, London, W. 321,855.

"Manalous"; for medicines (3). By A. E. H. Eliot, 61-65 Avenue Chambers, 42 Bloomsbury Square, London. 321,980.

**SLOGAS," for iodine for external human use (3). By Menley & James, Ltd., Farringdon Road, London, E.C. 322,589.

"SLOGAS," and label device of two lamps; for photographic papers (39). By T. Illingworth & Co., Ltd., 1 Rucklidge Avenue, Willesden Junction, London, N.W. 321,628.

"Renown"; for perfumery, etc. (48). By Erasmic Co., Ltd., Bank Quay, Warrington. 322,773.

Label device for "Papier Poupper Flore".

Label device for "Papier Poudré Dion"; for a toilet-article (48). By Dion, Ltd., 71 Newman Street, London, W. (48). B 321,853.

bel device for "Papier Poudré Dion"; for a toilet-article (48). By Dion, Ltd., 71 Newman Street, London, W. 321,853.

Astrol." (322,497); Name device (322,498); "Ceres" (322,500); "Coelestol." (322,501); "Fram" (322,503); "Irsol." (322,505); "Pluto" (322,508); "Sahirrol." (322,510); for mineral and coal-tar dyes (1). "Cellit" (322,499); "Edinol." (322,502); "Homocol." (322,504); "Mesotan." (322,506); "Pyrophan." (322,509); "St. Lukas" (322,510); for photographic chemicals (1). "Metakalin" (322,507); for a chemical used in making furniture-polish, etc. (1). "Antinonnin" (322,512); "Autan." (322,513); for disinfectants (2). "Somatose" (322,514); for veterinary chemicals (2). "Acttrin" (322,514); "Alypin" (322,515); "Alypin" (322,516); "Agrinolds" (322,519); "Antilleprol." (322,518); "Alypin" (322,518); "Alypin" (322,521); "Aristollin" (322,521); "Aristollin" (322,522); "Astirin" (322,523); "Astirin" (322,523); "Astirin" (322,523); "Astirin" (322,523); "Cellit" (322,526); "Citarin" (322,527); "Citarinolds" (322,538); "Conyfin" (322,527); "Cyclofoim" (322,538); "Diaspirin" (322,525); "Elmydein" (322,535); "Gynoval" (322,536); "Helmitoloids" (322,537); "Helmitoloids" (322,538); "Helmitoloids" (322,539); "Heroin" (322,544); "Jothion "322,544); "Jothion "322,544); "Mesotan" (322,541); "Mothion "322,541); "Novastirin" (322,556); "Lycetol" (322,546); "Maritinoloids" (322,547); "Mesotan" (322,548); "Mesotanl" (322,556); "Phenacetinoids" (322,556); "Resaldol." (322,557); "Salpomin" (322,556); "Salpomin" (322,556); "Salpomin" (322,557); "Salpomin" (322,556); "Salpomin" (322,557); "Salpomin" (322,558); "Salpomin" (322,558); "Salpomin" (322,556); "Salpomin" (322,557); "Triningen" (322,5 "ASTROL"

Trade Report and Market Review.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those herequoted are obtained for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at these prices.

42 Cannon Street, London, E.C., June 2.

BUSINESS has shown no improvement this week, the feeling being one of dulness in most quarters, but the fact that the drug auctions were resumed to-day after a month's interval, has improved the demand for a few staple articles. Among fine chemicals a sudden advance in bismuth and salts is a feature. Morphine salts have been in moderate demand at somewhat easier rates. Cocaine and thymol remain weak. Cream of tartar has been in improved request at unaltered rates, and further sales of Japanese refined camphor have been made for forward shipment. Jalap resin is dearer on scarcity of tuber. Copper sulphate for prompt delivery, after declining, has advanced, owing to forward sales. Platinum salts are dearer. Articles with a downward tendency include ammonia sulphate, castor oil, shellac for delivery, and turpentine. Saffron remains firm, and the otto-of-rose distillation has been protracted by recent cold weather. Several of the minor essential oils are dearer, these including oil of buchu, chamomile and cubeb. The principal price-alterations are as follows:

Higher	Firmer	Easier	Lower
Asafetida Bismuth and salts Buchu oil Coca leaves Copper sulphate Crotou-seed Cubeb oil Eugenol Jalap resin Platinum salts	Balsam (Peru) Cinnamon Sarsaparilla Native Jamaica	Ammonia s ulphate Cardamoms Morphine salts Pepper Soya oil Wax, bees' (Jam.)	Castor oil Diethyl-Bar- bituric acid Ginger (Japan) Indiarubber Methyl sulphonal Myrrh Podophyllin resin Shellac (tutures) Turpentine

Cablegrams.

Bergen, June 1.—The cod-fishing at Finmarken is uneven, but partly favourable, and the market for finest non-congealing Lefeten oil is firm at the equivalent of 103s. 6d. per barrel, c.i.f. terms.

New York, June 2.—Business in drugs is quiet. Opium is again 5e. lower at \$5.90 for druggists' by single cases. Bromides have advanced by 2e. per lb. Jalap is firm at 30c. Asafetida remains nominal at \$1 per lb. Cascara sagrada is unchanged. Peppermint oil is steady at last week's decline to \$1.25 for Wayne County in tins. Hydrastis (golden seal) is firm at \$2, and ipecacuanha is lower at \$1.35 for Cartagena. Angestura tonka beans have advanced to \$1.75 per lb.

AMSTERDAM, June 2.—At the auctions of cinchona held to-day 8,812 packages were offered, of which 7.809 packages sold at an average unit of 3.39c. per half-kilo, against 3.51c. paid at the auction on April 28. The following were the approximate quantities of quinine purchased by the factories: (1) The English and American factories, 8.104 kilos.; (2) the Brunswick factory, 4.833 kilos.; (3) The Manheim factory, 4.822 kilos.; (4) the Amsterdam factory, 2.612 kilos.; (5) the Frankfort and Stuttgart factories, 5,340 kilos.; (6) the Maarssen factory, 5,534 kilos.; (7) various buyers, 9.895; kilos. The lowest price paid for manufacturing bark was 8½c. and the highest 41½c., while for druggists' bark from 8½c. to 42c. was paid. The cocaleaves practically all sold at from 17½c. to 81½c. per half-kilo.

Synthetic Camphor Finance.

A meeting of shareholders of the Société "Le Camphre" (for the manufacture of synthetic camphor) was held in Parison May 18. A report of the directors was read recounting what had been done since January, when the last meeting was held. At a general meeting held in October 1909 a new board of directors was appointed, with a view to reorganising the company, the primary object being an issue of 2,000,0001. (80,0002.) of debentures. Since then three of the new directors have retired and others have been appointed in their place. It has now been decided that with 700,000f. (28,0002.) the works can be restarted, and at the present time the directors have 10,0002. beyond that sum in view. The employment of the new financial resources, always supposing no hitch occurs, is proposed as fellows:

							France
Repayment	of deber	iture ∢	debts				250,000
Outstanding	debts						100,000
Cost of putti	ng the fa	actory	in wor	king.	order		250,000
Removing fr	om the v	vorks a	at Peti	it-Qué	villy, r	ear	
Rouen							50,000
Working cap	oital						314,000
							964,000

The directors express the hope that the works for the manufacture of synthetic camphor will be restarted in August next. Particulars regarding the career of this company were given in The Chemist and Druggist of January 16, 1909 (p. 88) and subsequent issues.

London Markets.

ACID, CARBOLIC.—Steady; 39° to 40° C. is quoted $3\frac{s}{8}d$., and 34° to 35° C. at $3\frac{1}{8}d$. per lb.

Arrowroot.—At auction 42 barrels St. Vincent sold at 1_0^*d , per lb. for ordinary manufacturing.

Balsam Tolu remains firm at from 11d. to 1s. per lb., the latter price being for good hard.

BISMUTH.—One of those rare advances in the metal took place on Tuesday, when the controllers raised the price by 1s. per lb. to 7s. 6d., it being stated that supplies from Bolivia have been coming to hand slower than usual owing te difficulties in transit. It may also be added that the stocks of the metal have been reduced as the result of a sustained demand from the United States and the Continent. The advance in metal has been followed by one in the salts, the list prices being as follows: Bismuth subcarbonate, 9s. 3d.; subnitrate, 8s. 1d.; oxide, 11s. 1½d.; subgallate, 6s. 4d.; tannate, 8s.; nitrate crystals, 6s. ½d.; citrate, 8s. 9d.; benzoate, 10s. 9d.; salicylate, 40 per cent., 6s., 64 per cent., 7s. 8d.; and physiologically pure, 9s. 3d. per lb. net; assorted lots of from 28 lb. to 2 cwt. are subject to the usual reduction.

Bromides.—It will be seen from our New York cable that potassium bromide has advanced by 2c. per lb.

CAMPHOR (CRUDE).—The market for China crude is firm and scarce on the spot, with buyers at 150s.

Camphor (Refined).—The sales include 100 cases Japanese $2\frac{1}{2}$ lb. slabs at 1s. $5\frac{3}{4}d$. per lb. c.i.f. for June-July, and 50 cases 1 oz. tablets at 1s. $6\frac{1}{2}d$. c.i.f.; sellers quote $\frac{1}{4}$ oz. at 1s. $6\frac{3}{4}d$. c.i.f.

Cinchona.—The exports from Java to Europe during May amounted to 1,368,000 Amst. lb., against 1,319,000 Amst. lb. during May 1909. The exports from January to May now amount to 6,397,000 Amst. lb., against 5,525,000 Amst. lb. for the corresponding period of 1909.

CINNAMON.—The usual quarterly public sales took place last Monday. There were only two catalogues, in which 180 bales were offered. There was good competition for the worked descriptions, and these sold at steady to occasionally dearer prices, but the unworked was bought in

above the biddings, there being little demand for these sorts. One bale of superior firsts was bought in at 1s. 5d. per lb., but the rest of the worked sold as follows: Firsts, fine, 1s. 1d. per lb.; good, $10\frac{1}{2}d$. to 1s.; fair, 10d. to $10\frac{1}{2}d$.; and rather stout, 8d. to $8\frac{1}{2}d$.; superior seconds at 1s. 3d., fine thirds at $11\frac{1}{2}d$. to 1s., and fourths at 9d. for good and 7d. for common. Unworked was bought in at $10\frac{1}{2}d$. per lb. for firsts and at $9\frac{1}{2}d$. for seconds. Overtakers, pieces, etc., were sold at $5\frac{1}{2}d$. to 8d. per lb. for common to good, and chips at 2d. per lb. for common and $2\frac{1}{4}d$. for clean but rather woody, being rather lower.

COPPER SULPHATE, after suffering a decline, has recovered, the closing quotation for Liverpool brands for prompt delivery being from 171. 15s. to 171. 17s. 6d., and September-

October 181. 10s. per ton.

CREAM OF TARTAR has been in improved demand at the unaltered rates of 78s. per cwt. for 98 per cent. powder and 76s. for 95 per cent.

EUGENOL has been advanced to 6s. per lb. net.

Gambier.—Small sales of cubes have been made at 38s. per cwt. spot. In the drug-auction a parcel of 54 bags cubes was offered without reserve for the account of whom it may concern, and the damages (sugar drainage) sold at from 24s. to 29s. 6d.

GLYCERIN.—As intimated last week, the market remains very firm, the official quotation for double distilled s.g. 1.260 quality being 991. per ton in tins and cases on five-ton contracts and 951. in drums, with second-hands offering at slightly below these figures.

Indiarubber.—The market for Para closed at the end of last week at 10s. 1d. for fine hard on spot and June-July delivery, and this price prevailed until Tuesday, when the value declined to 9s. 10d., with sales of June-July delivery at 10s. to 9s. 11d.; and on Wednesday a further decline to 9s. $6\frac{1}{2}d$. value, with sales of June-July at 9s. 8d. to 9s. 6d. per lb.

JALAP.—Holders of 10 per cent. ask 1s. 4d. per lb. spot, and a small sale is recorded at the price. Two parcels amounting to 50 bags have arrived from the Continent. Nothing offered at auction.

JALAP RESIN has been advanced by 1s. per lb. to 16s. and powder to 16s, 9d. net. Jalapin powder is quoted 22s. to

23s. per lb. as to quantity.

MORPHINE.—The favourable outlook for the new opium crop has led to the sale of a fair quantity of hydrochloride powder from second-hands at 7s. 6d. per oz. being easier, but there is nothing more available at this figure, and for, say 100 oz. lots 7s. 8d. would probably have to be paid.

OIL, ANISEED.—Star is unaltered at 4s. 6d. per lb. spot. OIL, BERGAMOT.—In primary markets, little demand is reported, and with a firm order in hand it may be possible to ease market quotations, which are from 14s. 6d. to 14s. 9d. per lb. c.i.f.

OIL, BUCHU.—English distilled has been advanced to

8s. 6d. per oz.

OIL, CASTOR, is lower. Hull make for June-December delivery is quoted 29% per ton for first pressing, in barrels, delivery free on wharf, London, and the quotation for Belgian for prompt delivery is 30%. 10s. per ton, in barrels, ex wharf, London.

OIL, CITRONELLA, is unaltered at from 1s. to 1s. $0\frac{1}{4}d$. per 1b. for Ceylon in drums, and 1s. $1\frac{1}{2}d$. in cases on the

spot.

OIL, COD-LIVER.—Our Bergen correspondent writes on May 30 that the prevailing stormy weather during the past week has not been favourable to the Finmarken codfishing, and the catch is below expectations. The reports give to-day the following numbers:

Finmarken.

2 0101100			
	1908	1909	1910
Catch of ead (millions)	10 ½	14.0	17.0
Yield of cod-liver oil (hect.)	8,300	6,300	10 3 30
Liver for "raw" oils	13,400	15,500	7,300
The Whole Co	untry.		
	1903	1909	1910
Catch of eod (millions)	445	523	503
Yield of cod-liver oil (barrels).	47,200	40,700	32,700
Liver for "raw" oils (hect.)	24,000	25.800	16.150

The number of fishing-boats present in Finmarken has now slightly decreased, and the fishing is generally expected to close earlier than usual. The tendency appears a little firmer, at the unaltered quotation, however, of 103s. 6d. per barrel c.i.f. Bergen for finest non-congealing Lofoten oil. The exports from Bergen up to date amount to 4.210 barrels, against 5,710 barrels at the same date of last year.

OIL, CUBEB.—English distillers have advanced their

price to 15s. per lb.

OIL, LEMON, remains firm, and according to advices from Sicily, holders are reluctant sellers, hoping for favourable developments later. These will of course depend on the requirements of consumers abroad, which at the moment are entirely hand to mouth; from 3s. 4d. to 3s. 6d. per lb. c.i.f. is still quoted.

OIL, Lemongrass.—The spot price is from $2\frac{3}{4}d$. to 3d.

per oz., and for arrival 232d. c.i.f. is quoted.

OIL, NEROLI.—In consequence of the cold weather in the South of France it is not anticipated that the crop which is now being distilled will be more than a medium one, so that little or no reduction in present prices is looked for.

OIL, ORANGE, is unaltered, but it is thought prices are at their lowest, the quotation for sweet being from 5s. 9d. to 6s., and bitter 6s. to 6s. 3d. per lb. c.i.f.

OIL, TURPENTINE.—American on the spot has declined about 9d. per cwt. on the week, closing at from 42s. 9d. to 43s. per cwt.

OPIUM.—Private letter advices to hand from Smyrna and Constantinople houses continue to indicate that the outlook for the new Turkey crop remains favourable, and on the spot there is nothing new to report, the nominal price of Turkey druggists being from 16s. to 16s. 6d. per lb.

Writing on May 28, a Smyrna correspondent states that no business has taken place this week. News from the interior confirms the rainfall in all districts, damaging the localities where eutting was due to begin. In the districts of the Vilayet of Aidin—i.e., Ineyoll, Alascheir, and Axar—the cutting has been adjourned, and should the rains continue the damage will be irreparable. The highlands will only commence to harvest in the course of the next twenty days, and as the majority of the yield comes from these districts, the damage would to a large extent be compensated for. It is to be hoped that buyers in the interior will not be influenced by these insignificant damages, as, should the weather continue favourable, we shall have a total return of some 10,000 cases. Another correspondent writes on May 28 that nothing who

Another correspondent writes on May 23 that nothing has been done, owing to the high pretensions of holders, who still maintain top prices—viz., 15s. 3d. to 16s. 6d. We have had rather too much rain this week to be good for the poppy-plantations in the lowlands. Farmers have commenced cutting the bulbs in many districts, and the showers of rain wash away the gum. On the other hand, the present wet and cool weather improves the crop in the high districts, whence the harvesting begins twenty to twenty-five days later. A basket or two of new opium (this year's crop) is expected to come down on this market during the course of next week, but these first arrivals are generally very poor in morphine.

these first arrivals are generally very poor in morphine.

Orris continues very dear, Florentine offering at 46s. 6d. for selected and 40s. to 44s. for ordinary to good

sorts.

Otto of Rose.—Halley's comet, that was to cause the end of the world, has brought to the Bulgarian rose districts plenty of rain and unusually cool weather. Since the middle of April (writes our Bulgarian correspondent on May 26) there has been only eight to ten days of perfectly clear, warm, and sunny weather. The rest have been cloudy, partially sunny, rainy, and extremely fresh, just the weather for a rose harvest. At night-time it has often been even cold and chilly, the temperature often falling as low as 54° to 56° F. While this has interfered somewhat with the yield of rosebuds in some localities, and especially in the lowlands, on the other hand it has allowed the rosebuds to develop and grow gradually. Another effect of this cool weather will be the protraction of the rose harvest, which at the present rate is progressing very slowly and may last from four to five weeks, while the average time is only about three weeks. The harvesting has become general only in the southern rose countries, but will hardly be commenced in

the northern Balkan localities before the beginning of next week. There are many villages that have been distilling during the last ten days, and their yield has been quite satisfactory.

QUININE continues lifeless at the unaltered quotations of 7d. for German sulphate from second-hands, and $6\frac{3}{4}d$.

for Amsterdam.

According to the British Consul at Java, the following are the quantities of sulphate of quinine disposed of at auction and by private sales in Batavia during the past three years: Oz. Average Price.

				u.
1907		 	 1,205,042	65
1908	•••	 	 1,280,000	68
1909		 	 1,615,400	53
		 		1.1

SAFFRON.—Although demand is naturally small at this period, market remains extremely firm on the basis of 42s. per lb. net for finest Valencia, B.P.; the recent advance has affected prices of the lower grades of saffron, and nothing is now obtainable below 37s. for B.P.

SERPENTARY shows an advance in primary markets to 2s. 6d. per lb. c.i.f., but on the spot a limited quantity may

be had at slightly under this figure.

SHELLAC.—The market has been much quieter this week, but prices are generally firm, the spot value of fair TN orange being 73s., and for arrival May-June shipment of TN is quoted 72s. c.i.f., the sales including A.C. Garnet at 67s. to 67s. 6d. for near at hand. Futures have also been quiet, but prices on balance show little alteration, August delivery being quoted 75s., October 76s., and December 78s. to 79s. (paid). Good and fine orange marks are quoted at from 77s. 6d. to 95s. per cwt., according to quality.

THYMOL.—Judging by the offers which have been made from the Continent there seems no limit to the competition which prevails, and some very low figures have been named by speculators. On the spot from 5s. to 5s. 3d. 1s

quoted.

London Drug-auctions.

At the auctions of new and second-hand drugs the demand was poor and occasionally dragging, owing to the lengthy catalogues. Cape aloes met with fair competition at firm rates, but other descriptions were neglected. Asafetida again sold well, and buchu-leaves realised a further considerable advance. Sumatra benzoin was neglected. Croton-seed sold at higher rates, but cardamons met with a poor demand at fully 1d. decline; Ceylon coca-leaves were higher. Dragon's-blood is now very plentiful and neglected. Gamboge is selling blood is now very pleutiful and neglected. Gamboge is selling more freely. New Jamaica honey was in excellent demand at generally steady rates. Ipecacuanha is irregular, but the undertone for Matto Grosso is easy. Myrrh sorts were forced off at a considerable decline. Rhubarb was quite neglected, even when offered without reserve. Sarsaparilla, if anything, tended firmer, especially native. Tinnevelly senna was unaltered. Turmeric is in large supply again and neglected. Jamaica beeswax is a trifle easier, but full prices were paid for Madagascar Pressure on our space prevents the publication of our usual table. tion of our usual table.

ACONITE.—The limit placed upon a parcel of Japanese was 32s. 6d. per cwt. Sixty-nine bags Japanese have

arrived from Kobe.

Aloes.—Cape sold steadily, 97 cases Mossel Bay being disposed of on the usual 20 per cent. tares, including good disposed of on the usual 20 per cent. tares, including good bright hard firsts 32s. 6d. to 33s., firsts, but inclined to be soft, 32s. subject, good seconds, slightly drossy, 30s. to 31s. 6d., fair seconds, slightly drossy and dull. 29s. to 30s., fair bright mixed with dirt 28s., livery 27s., dull, mixed with stone, 15s. Ten kegs stiff pasty Socotrine were limited at 85s., and a parcel of 1,262 gourds was bought in at 65s. for small to medium-size of fair dullish quality. Zanzibar along in skins is plentiful but quality. Zanzibar aloes in skins is plentiful, but neglected. The Caledonia from Bombay has brought 48 kegs Socotrine.

Ammoniacum.—Good pale loose tear was bought in at 70s., slightly blocky at 67s. 6d., and dark ditto at 60s. Common dark block sold at from 31s. to 35s., and sweepings off

bags at from 17s. to 18s.

ASAFETIDA.—A lot of 132 boxes from the Persian Gulf was offered, but the broker took the parcel "out" with-out asking for bids. The drug had been returned by the dock authorities as asafetida, but it was apparent that

the offering was not of the character associated with asafetida.

The samples on show consisted of thin slices of stem agglutinated together with a copious exudate of greyish-white to dirty-white gum-resin, the latter in appearance recalling galbanum without any bluish-green tinge. The gum, which was soft, contained a few lumps, hard and transparent and brown in colour. The sticky gum-resin is readily removed, forming a milky emulsion with water. The residue apparently consisted of successive sections of the lower portion of stem (root-stock) made in tapping the parent plant for the product. These slices are from \(\frac{1}{2}\) to 1\(\frac{1}{2}\) in, in diameter and about \(\frac{1}{2}\) in. thick. The outer edge consisted of brown cuticle, while there is a cambium ring about one-sixth of the radius from the edge and a wide zone of starchy pith. A section shows three or more rings of gum-resin passages in the cortex, thus differing from galbanum-stem as figured by Tschirch. The gum-resin has an offensively strong odour, which when diluted is alliaceous, recalling asafetida without its fragrance. A negative result was obtained on testing for umbelhiferone, and the gum-resin did not colour green with nitric acid diluted with an equal The samples on show consisted of thin slices of stem aggludid not colour green with nitric acid diluted with an equal part of water. No traces of salicylic acid are present. The drug apparently belongs to the asafetida group not containing umbelliferone.

Another parcel comprising 105 packages genuine asafetida, mostly sold at irregular, but very dear, rates, including good loose pale almondy drop to partly blocky and pinky, 21l.; good softish almondy with partly pale loose tear, 17l.; mostly fair pinky block, 13l. 15s.; ditto, not so good, 111.; 3 cases soft run mass went at 101.; brown hard block, partly soft, from 37s. 6d. to 60s.; low hard and stony block, 25s. to 26s. per cwt.

Balsam Peru.—The higher price of 7s. 8d. per lb. is now asked for genuine of direct import.

Belladonna-Root.-Nineteen bags English realised 45s. without reserve.

Benzoin.—Neglected, there being practically nothing sold. Good almondy Sumatra seconds were held at from 7l. 5s. to 7l. 7s. 6d., fair at from 6l. 5s. to 6l. 12s. 6d., and ordinary seconds at 5l. 10s. per cwt. Of Siam 5 packages were shown, of which one had been sold privately; 31l. was wanted for a case of small to bold good, loose Siam almonds, a bid of 19%, being refused.

Buchu.—Privately the market remains firm, no round green leaves being offered from first hands, and the price is nominal in the absence of sellers. At the previous drugsale a month ago it may be remembered that some 20 bales were left over, but they have all been disposed of in the interim, as evidenced by the fact that only a single bale of round green was offered to-day, and this was of fair, slightly stalky quality. It met with keen competition, however, realising 3s. 4d., an advance of 4d. on previous auction rates. The other offerings comprised 9 bales of "ovals," which also met with a ready sale at 1s. 6d. to 1s. 7d. per lb. which also net with a ready sale at 1s. 6d. to 1s. 1d. per 1b. for fair to good green; yellowish also sold at 1s. 6d., and dull yellow at 1s. 5d., these prices being "full up" to dearer. Three bales "longs" also offered, one bale green of which sold at 2s. and two bales bronzy at 2s., being 7d. dearer as compared with the previous sale. The Briton has brought 8 packages from Mossel Bay and 13 packages from Cape Town this week, of which 10 packages are for London and the remainder in transit. An amendment has been published in the Customs Bill of Entry, which confirms the fact that the Balmoral Castle last week brought 27 bales, and not 54 as was at first stated.

Cannabis Indica.—A single case of ordinary green pressed East African via Delagoa Bay, sold without reserve at 2d. per lb.; fair green Bombay tops were held at 4s. 5d.

CARDAMOMS.—The demand proved very poor, and prices of the better grades declined 1d. to 2d. per lb., but the medium grades generally realised previous prices. Ceylon Mysore sold: Good bold pale smooth 2s. 9d., good bold palish to pale 2s. 2d. to 2s. 4d., bold medium pale 2s. 2d., medium palish to pale 1s. 10d. to 2s., medium and small pale 1s. 7d. to 1s. 9d. Pickings, bold pale and splits 1s. 8d. to 1s. 11d., medium 1s. 6d. to 1s. 8d., common split 1s. 3d. to 18. 4d., good splits 2s. 2d. Seed 1s. 3d. to 1s. 7d.

Cascara Sagrada.-Eighty bags rather thick quilly (1907) crop were bought in at 37s. 6d., a bid of 34s. 6d. being refused. Another lot of 34 bags fair, of new import, was offered and held at 33s., the broker stating that this was all that they had at that price.

Cassia Fistula.—Six bags of good West Indian pod sold at 17s. per ewt.

Chamomiles.—Nine bags fair seconds sold without reserve at from 51s. to 56s.

Coca-leaves.—Twenty-six cases Ceylon sold at 1s. 5d. per lb. for good green, and at 8d. for brown. Eight cases also sold without reserve at $7\frac{1}{2}d$., and 6d. for common dark brown. Six cases of fair greenish Ceylon from another catalogue sold at 1s. 1d. In another instance 35 packages thin Ceylon Truxillo sold at from $8\frac{1}{4}d$. to $8\frac{1}{2}d$. for partly small, shrivelled, and broken brownish to fair thin greenish.

COLOCYNTH.—Two cases fair pale Turkey apple were bought in at 1s. 1d. Ten bales of pulp were bought in at from $6\frac{1}{2}d$, to $7\frac{1}{2}d$.

CROTON SEED sold at higher rates, eight bags realising 50s. per cwt. for rather darkish.

Cuscus.—A parcel of 28 balcs was offered, of which 22 sold at from 9s. to 11s. for fair, and 7s. for sea-damaged. Another lot of 11 bales fair clean was bought in at 11s.

CUTTLE-FISH BONE.—For fine bold pale 6d. per lb. is wanted in small lots, but for a string 4d. would be accepted.

Dragon's-blood was in large supply, but neglected. Λ case of ordinary seedy Singapore lump sold at 6l. per cwt., and two cases fair seedy ditto realised 81. 10s., which was the valuation. Good reboiled was bought in at 111. 10s., and fair at 10l. 10s. The Nile has arrived with 16 cases from Penang.

Ergot.—Four bags of fair sound Russian sold without reserve at 1s. 2d., and for three bags Spanish a bid of 1s. 3d. is to be submitted for fair.

FENNEL-SEED.—Six bags of fair Persian were bought in at 27s. 6d. per cwt.

Galls.—A parcel of 14 bags Persian blue, were bought in at from 55s, to 57s, 6d, per cwt., as to quality.

GAMBOGE is steady, with fair, slightly mixed Siary pipe obtainable at 131. 10s. per cwt., at which sales have been

Honey in very fair demand at generally steady rates, the sales of Jamaica including fine pale set at 32s, to 33s. fair ditto at 28s, to 29s. 6d. Forty-eight cases Hayti sold at 28s. to 31s. for fair to good pale set: 26s. 6d. to 27s. for brown set; and 23s. for ordinary dark liquid. Twenty cases New Zealand realised 33s. for yellow set, and 37 cases clear amber liquid sold at 27s. 6d. to 28s. per cwt.

IPECACUANHA.—Although one broker announced that his price for Matto Grosso was 10s., and that for ordinary lean another broker was willing to accept 9s. 1d. to 9s. 2d. for 4 bales of much better quality; a bale of seadamaged realised 8s. Two bales of East Indian or Johore sold without reserve at 7s. to 7s. 6d., the lot in question was stated to have been "manipulated" in Hamburg, it being partly mixed with Minas root, the detection only being noticeable on careful inspection. Six bales Cartagena offered without reserve and sold at from 5s. 2d. to 5s. 3d., and a bale of common rickings at 3s. 5d.

Kola.—A single bag of small to bold bright West Indian halves sold at $2\frac{3}{4}d$.

Myrrh.—A sale of 24 barrels was made at a reduction on private prices, 50s. per cwt. being paid for a parcel of ordinary roughish, slightly blocky Aden sorts. Fair bright siftings (five cases) sold at 40s., and one case dust at 29s. per ewt.

Nux Vomica.—A lot of 191 bags small to bold fair Bombay sold at 8s. 6d. per cwt.

OIL, EUCALYPTUS.—Three cases Citriodora realised 2s. 9d., and for oil analysing 68 per cent. the buying in price was 1s. 1d.

ORANGE-PEEL.—Eight cases of ordinary Tripoli strip realised 4d. per lb. without reserve.

Orchella-weed.—A sale of 31 bundles from Aden was made at 9s. per cwt.

Orris.—In the drug auction 22 packages Mogador were held at from 30s. to 32s. 6d. for medium leanish to fair pale.

QUASSIA CHIPS.—Six tons were bought in at 12l. per ton. at 6l. to 7l. per ton in bags.

RHUBARB was quite neglected in auction, and it was diffieult to get bids even for parcels which were offered without Three cases bold, round, "wild" Shensi character with three-quarter very good palish pinky fracture sold at from 1s. 2d. to 1s. 3d., and a ease of Shensi pickings with three-quarter fair, pinky fracture sold at 10d. Medium round rough horny High-dried, which is now searce, is worth 7d.

SARSAPARILLA. - Firm. Grey-Jamaica, of which 33 bales offered, sold readily at from 1s. 2d. to 1s. 3d. per lb. for fair, slightly roughish to good fibrous root, while damaged realised 1s. 1d. Native Jamaica was also in demand at prices tending firmer, the sales including about 26 bales at 11d. to $11\frac{1}{2}d$. for fair red, 10d. for dull, middling red, and $8\frac{1}{2}d$. to 9d. for common dull and yellow mixed. Honduras was held at 1s. 3d. per lb. Thirty-three bales Lima-Jamaica offered, and mostly sold at from 10d. to 11d. for partly fair to rough, one lot realising 1s.

Senna.—Tinnevelly sold at unaltered rates, the quality being mostly small common specky leaf, which realised from $1\frac{1}{2}d$. to $1\frac{3}{4}d$. and ordinary at 2d. to $2\frac{1}{2}d$.; two bales boldish green realised $4\frac{1}{2}d$. Pods sold at from $2\frac{1}{2}d$. to $2\frac{3}{4}d$. per lb. Alexandrian leaf was bought in at $6\frac{1}{2}d$., broken ditto at $3\frac{1}{2}d$., and 9 bales slightly darkish and partly flimsy pods, realised 33d.; in another quarter 6d. was asked.

TAMARINDS.—Fair pale Barbados (33 packages) sold in bond at 14s.

WAX, BEES'.-Jamaica neglected, 25 packages being bought in at 7l. 17s. 6d. for ordinary; nine packages fair, part dark brown, realised 7l. 12s. 6d. to 7l. 15s., being a trifle easier. Madagascar sold at very full prices, 7l. being paid for good, even, brown block, and 6l. 17s. 6d. for fair block. For 7 bales of fair block 6l. 12s. 6d. was paid. Sea-damaged and heated went at 61. 5s., and dark block at 51.

Manchester Chemical-market.

In some directions there has been a fair movement, and the In some directions there has been a fair movement, and the demand for mourning colours gave a strong impetus to anilines and other dye-stuffs. Caustie soda, especially high strength, remains very scarce, and makers appear well sold forward. Bleaching powder and ammonia alkali are steady. Salt-cake is unchanged. Carbonate of potash quiet, with 90 per cent. quoted, at 16*l* 5s. to 16*l*. 10s. per ton c.i.f. Grey and brown acetates of lime are very firm and tending upwards. Sulphate of copper has shown a better feeling, but buyers are apparently indisposed to operate. White powdered arsenic is dull. Cream of tartar and acids are generally steady, although oxalic acid rules rather in buyer's favour. Acetic acid maintains late rates; commercial 60 per cent. in 17*l*. 10s. to 18*l.*, and pure glacial 32*l.* per ton. Coal-tar products are still on the quiet side. Sulphate of ammonia is 112. 5s. to 11*l.* 6s. 3*d.* per ton og rails, Manchester.

Heavy Chemicals.

Business in the heavy-chemical market seems to be somewhat variable at the different centres of the industry, but there is no doubt that in the aggregate a good all-round business is is no doubt that in the aggregate a good all-round business is being done, and particular mention may be made of exports of such main products as bleaching-powder, caustic soda, and salteake. New business is to a great extent confined to prompt or near delivery, comparatively little being done with regard to forward delivery. Contracts are, on the whole, being taken out well, and values rule steady and are well maintained.

SULPHATE OF AMMONIA is dull and somewhat easier. May orders having been covered, business for prompt is small, while forward business is neglected. Present nearest figures: Beckton prompt, 111. 17s. 6d.; Beckton terms, 111. 10s.; London, 111. 10s.; Leith, 111. 17s. 6d.; Hull, 111. 12s. 6d. to 111. 15s.; and Liverpool, 111. 15s. to 111. 16s. 3d.

Bartem-products continue in good average request, and the general tone of the market as regards values is well main.

general tone of the market as regards values is well main-tained, owing to the continued short supply of the mineral carbonate of barytes of witherite. Blanc fixe, pure precipitated sulphate of barium in paste form, has been in heavier demand at late rates of 6t. 10s. to 7t. per ton in usual casks. Mineral sulphate of barytes shows little fluctuation either as regards demand or value: deliveries against contracts have been good: values vary from about 35s. to 90s. per ton, according to quality, quantity, and package. Chloride of barium seems to have settled down again to a steady tone, and the demand has been fair on the basis of 6l. 15s. to 7l. 2s. 6d. per ton in casks for ordinary refined coarse or fine crystals. Precipitated carbonate of barium, in better request and firm

The New Swedish Tariff.

THE Commercial Department of the Board of Trade have published a translation of the proposed new Customs tariff for Sweden, with a comparison of the rates of duty at present in force. Just a year ago we reported in The CHEMIST AND DRUGGIST that a special committee had been appointed to consider a new Customs tariff, and this committee has now finished its labours. The Tariff Bill has been presented to both Houses of the Swedish Legislature, and referred to a committee for consideration and report. It is understood that the Bill will come up for discussion in the Legislature at an early date. Meanwhile it may be interesting to give a few of the more important proposed alterations as they appear in the Blue-book translation. One of the principal features of the tariff is the conversion of many of the ad valorem duties into specific or fixed rates, which should obviate much irritation in assessing the duties; but those chemical and pharmaceutical products which are unenumcrated, and they comprise by far the majority imported, are to pay 15 per cent. ad valorem, the same as at present. Sulphuric acid, including sul-churic anhydride, has been advanced from 50 öre to 60 öre per 100 kilos., nitric acid from 02 öre per kilo. to 2 kr. per 100 kilos.; all boron compounds are now free. Phosphoric acid is to pay 1 kr. 50 öre per 100 kilos.; oxalic acid and oxalates are charged from 15 per cent. ad val. to 07 öre per kilo.; salicylic acid from 15 per cent. ad val. to 30 öre per kilo.; caustic potash and caustic soda, solid or liquid, formerly free, will pay 2 kr. 50 öre per 100 kilos; bleaching-powder, formerly free, will pay 1 kr. per 100 kilos; acetate of lime, raw or purified, formerly 15 per cent. ad val., will pay 03 öre per kilo.; sulphate of iron has been altered from 10 per cent. ad val. to 50 öre per 100 kilos.; and copper sulphate from 10 per cent. ad val. to 05 öre per kilo., nitrate of lead from 15 per cent. to 08 öre per kilo., silver nitrate from 5 per cent. ad val. to 2 kr. 50 öre per kilo., hydrogen peroxide from 15 per cent. ad val. to 03 öre per kilo., and ealcium and barium carbides from 15 per cent. to 05 öre per kilo. Wood spirit has been reduced from 30 to 20 öre per kilo.; formalin in aqueous solution is altered from 15 per cent. ad val. to 15 ore per kilo., formalin in powder and tablets from 15 per cent. ad val. to 1 kr. per kilo.; turpentine oil remains unchanged at 107 öre per kilo. Synthetic camphor, formerly dutiable at 15 per cent., has been placed on the free list, like crude and refined. Terpincol, safrol, and menthol will pay 50 and refined. Terpineol, safrol, and menthol will pay 50 ore per kilo. and heliotropin, cumarin, musk, and similar substances will pay from 2 kr. to 3 kr. per kilo., according to weight. Perfumery pays the former rate of 3 kr. per kilo. Druggists' goods, not specially mentioned, simple or compounded, including saccharin, remain on the first list but articles folling under this heading may be free list, but articles falling under this heading may be imported only by proprietors of druggists' stores (pharmacies, we presume), or after consulting the Medical Department, etc.

The following chemicals, which formerly paid 15 per cent. ad val., have been placed on the free list:

Carbon bisulphide, sulphur chloride, phosphorus sesqui-sulphide, phosphorus hydride, potassium sulphide, sodium sulphide, carborundum (carbide of silicon) and other carbides not specially mentioned, zinc sulphate and chloride, chromic acid, sodium hydrosulphite.

The following remain on the free list:

Sulphur (all kinds), phosphorus (yellow and red), hydro-chloric acid, citric and tartaric acids, magnesia (ealcined or carbonate) and alumina, pure hydrate of alumina, table-salt, potassium chloride, sal ammoniac, calcium chloride, barium chloride, sal ammoniae, calcium chloride, barum chloride, magnesium chloride, aluminium chloride, bromine and bromides, iodine and iodides, potassium and sodium chlorates, potassium sulphate, Glauber salts, sodium bisulphate, ammonium sulphate, calcium and magnesium sulphates, saltpetre, potassium and sodium carbonates and bicarbonates, potassium and sodium cyanide and ferricyanides, arrenie quicksilvar, load end tip salties are arsenie, quicksilver, lead and tin salts.

It is to be regretted that British exporters have not shown more enterprise in endeavouring to secure a larger share of the chemical and drug trade in Sweden, which, with the exception of a few lines in heavy chemicals, is absorbed by Germany. Great Britain's chief exports to Sweden, so far as chemicals are concerned, consist of thineral acids, alkali, aluminous cake, bleaching powder. colours, fertilisers, and a few soda compounds.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they are not recorded.

Queries by subscribers on dispensing, legal, and miscellaneous subjects pertaining (o pharmacy and its allied trades are replied to in these columns, if they are of general interest.

Letters submitted to the Editor for publication (if suitable) should be written on one side of the paper only. Their publication in the "C. & D." does not imply our agreement with the opinions of the writers.

The British Pharmacopæia as a Standard.

SIR,—With this letter I withdraw from a discussion which appears to be quito fruitless, and is probably already tedious to your readers. I must, however, draw attention to a few points in Mr. Dott's last letter. The points in issue in his letter appear to vary so much from those originally raised that it becomes difficult to continue an argument in which the grounds are shifted in every letter. I will, therefore, content myself with pointing out that I have never raised any question of the propriety of prosecutions for small deficiencies. On this matter, 1 believe I may say, there are not two opinions. In theory, the offence is identical whether the drug be much or little below a prescribed standard, but all such trivial cases as might be instanced aro dealt with under the maxim "de minimis non curat lex," and from time to time have been tried and dismissed by magistrates under powers conferred on them by the Summary Jurisdiction Act on the ground of the offence being trifling. I am sorry Mr. Dott's failure to understand my point about the loss of alcohol leads him to suggest a want of veracity on my part. The point I have raised was that I never placed the interpretation of Hudson v. Bridge that Mr. Dott fell into the error of believing, and I have shown, I think you will agree, conclusively that the grounds of the decision in this case were, not that where no tests are given there is no standard, but because in evidence it was proved to the satisfaction of the Court that there was in fact a loss of acetie acid in the process of manufacture, and that the whole of the loss in the case before them could be accounted for by this, and that therefore, the standard amount of acid to be used was not the standard for the finished product. There is no doubt that in a prosecution for an apparent deficiency of, say, 2 per cent. of alcohol in a tincture, where no final tests are given, Hudson v. Bridge could be successfully pleaded, because evidence would be available as to a necessary loss in the process. But there is no such necessary loss in making a solution of camphor in olive oil, and the amount of camphor prescribed to be used is in fact the standard in the finished product, and if a prose-cution for a deficiency of 1 or 2 per cent. in camphor takes place the defendant could do no more than fall back on the de minimis maxim. With regard to Section 4 of the 1875 Act the reductio ad absurdum is a useful weapon in argument, but is often apt to recoil on its user. I think, Sir, you will agree that I have shown that the standardisation of natural drugs by dilution in a case such as opium is in contravention of Section 4unless the English language is meaningless. This to Mr. Dott is only a mare's nest, and I presume he would brush the offending section aside as being contrary to public convenience. I agree. But while the law states a certain thing in terms, and requires alteration if you will, it still is a fact. Mr. Dott does, in fact, agree with me on the point, for he says that to mix powdered ipecacuanha with French chalk and sell it as ipecacuanha is an offence under the section. Well. Sir, wherein lies the difference between this and mixing opium with sugar of milk and selling it as opium? It is merely a question of motive, and the Act has allowed no latitude for motives. I never suggested that to mix opium with other drugs and sell it, for example, as injection of opium, was an offence.—Yours. etc., London, S.E., May 30.

ERNEST J. PARRY.

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Lorimer & Co., Ltd.

SIR,—I see by the report of the meeting of Lorimer & Co., Ltd., in your issue of May 14, that statements were made by the Official Receiver at the meeting which might reflect against me personally. Directly I heard of these statements having been made, I at once returned from Canada to refute them, and am now taking steps to do Under these circumstances, may I ask you kindly to publish this letter and that you and your readers will withhold their judgment until I have had an opportunity of stating my case? Yours faithfully

London, May 31. J. LORIMER.

Two Brussels Exhibitions.

SIR,—A Mr. Max Kaiser, describing himself as "Commissioner for England and Great Britain," is soliciting manufacturers and traders in respect of an exhibition at Brussels which may be mistaken for the Exposition Internationale ct Universelle now in being. The forms of application for space are headed "International Exhibition, Brussels, 1910." It is therefore necessary to say that Mr. Max Kaiser has no connection with the International Exhibition in which the British Government and the Governments of other nations participate, and to appeal to your esteemed courtesy for publicity in the matter.

I am, Sir, your obedient Servant, Brussels, May 26. FH. VAN DER BURG.

Latin and Nomenclature.

SIR,—With reference to your interesting report of the proceedings of the American Pharmaceutical Association, do not think that there is any substance in the attacks that are periodically made on medieval or modern Latin, as used in scientific nomenclature. What matter that it is not "classical"? Just as it was of great convenience to the ancient ecclesiastics of different nationalities to have a common medium of expression and one of definite literary form, so is it convenient to have a common scientific name for a biological species, medicinal substance, or mineral. For an international Pharmacopeia Latin is the only possible language. I think ferrosi sulphas and ferrici chloridum are preferable to ferrosus sulphas and ferricum chloridum. In the case of mercury, hydrargyrum would need to be dropped, and mercurosum used for the lower series and mercuricum for the higher, although for the chlorides calomel and corrosive sublimate are the best names from a medicinal point of view. It would surely be a mistake and lead to an erroneous impression to contract "hydrochloridum" to "chloridum." It would be far better to use the old expression "murias," which is quite correct, and conveniently contracted to "mur.

Yours truly D. В. Dотт. Musselburgh, May 30.

Advantages of our Students' Corner.

SIR,-Thanks very much for parcel of hooks, which I received in good condition this morning. I should like to take this opportunity of expressing my appreciation of your "Corner for Students" competitions. The "salts" are quite within the powers of the average Minor student with his modest laboratory, which need not have cost him above a very few shillings, and the value which accrues from the practice obtained cannot be over-estimated. After a few months' practice and reading of Dr. Dobbin's hints and criticisms, one attacks the "salt" with a feeling of confidence which would be new to many a Minor candidate. I feel sure that any student who really tries will win some of the prizes, and, what is more important to him, when he presents himself at Galen Place he is not likely to be one of many who fail at the "practical chemistry" hurdle.

Yours respectfully, Yours respectfully, Bolton, May 25.

The Council and Certificates.

Sir,-I fully concur with your remarks on the famous shilling certificates. People are often actuated by more than one motive in doing a thing, and sometimes the ostensible motive is not the real one, or very far from being the only one. It is part of the settled Bloomsbury policy to magnify the Executive and belittle the Boards of Examiners. Even admitting the propriety of departing

from the old form of certificate signed by the individual examiners, there was no need to introduce the shabbiest form possible, so that it has earned the title of "dogor other contemptuous epithet. It would be easy to print a neat and presentable certificate bearing the Society's arms or a copy of the seal. If a plebiscite of members were taken on the issue: Should the certificate of the Board of Examiners take the form (a) of a meanlooking and featureless imprint, or (b) of a neat and elegant engraving? without doubt there would be an overwhelming vote in favour of (b). It is one of the instances in which a representative body has deliberately ignored and despised what they must know to be the prevailing opinion of their constituents.

Yours, etc., EDINENIS. (183/66.)

Subscribers' Symposium.

(Information Solicited or Supplied.)

Direct Trading.

Mr. William Smith (Durham), writing in regard to this sub-Mr. William Smith (Durham), writing in regard to this subject, says there appears to be a growing tendency on the part of the public to order their more expensive requirements direct from the makers, and to bother their local trader with paltry orders. They come to him, too, with repairs and complaints, and for all kinds of information and instruction. He considers that "all manufacturing firms should discourage this felicity to the same trade or the same trade of the same tr a reasonable amount of direct business with a maker and keeping a regular supply of his goods in stock, that all orders received direct from the public by that maker should be sent to such retailers to be attended to. The goods might generally be sent with the order, in case those particular ones are not in stock. Mr. Smith adds that many large firms are getting lists of retailers' best customers, with the object of sending samples and typewritten letters in the retailer's name. In one case 3d. was given for each name and address of customers who purchased a certain article. Can anything, he asks, be more suicidal?"

Sale of Quinine Wine.

A Correspondent (175/54) wanted to know whether or not quinine wine may be sold by a drug-store keeper without a wine-licence, as a known, admitted, and approved remedy. He has served an indentured apprenticeship, and put the question to the Revenue authorities, who replied on May 18, 1910, as follows

-The Board of Customs and Excise having had before them your letter of the 19th ult., I am directed to acquaint you that in order that a trader may be entitled to the benefit of the exemption in favour of 'known, admitted, and approved' remedies it is necessary that (1) he should be a surgeon, or an apothecary, or a chemist or druggist, and (2) that he should have served a regular apprenticeship as (2) that he should have served a regular apprenticeship as such. As the question depends upon the circumstances of each particular business which may not be fully known to the Board, they cannot undertake to decide in individual cases whether or not the exemption applies. They must therefore leave it to yourself to judge whether you fall within the conditions above set forth or not."

This letter, signed by Mr. Byrne, the Secretary, does not give much away, and avoids the critical point: Is quinine wine a known, admitted, and approved remedy?

Wisdom while you wait. A note of warning to all interested in the sale of sheep-A note of warning to all interested in the sale of sheep-dips. Inasmuch as agricultural co-operative societies are applying for a licence under the Poisons and Pharmacy Act. 1908, we should concentrate all powers to oppose them, and to ask all makers of sheep-dip not to supply such stores. Llangadock and District Agricultural Co-operative Society. Ltd., Carmarthenshire, are going to apply for a licence, and the whole district has always been well supplied with all requirements before the above society ever existed.—Cymro. (183/52).

W. D. (181/51) would be glad if any chemist could give him information regarding the Titon Co., who make a silver polishing powder and a dry-cleaning powder, which they poisning powder and a dry-cleaning powder, which they introduce to you, asking you to hold a stock on sale or return. They agree that women they employ shall go round canvassing for orders, which they bring to you to execute, paying full price for them. Your first stock being small, they soon buy you out and you cannot execute all their orders. You order more to meet the requirements of the eanyassers and have to pay cash." Our correspondent has written to a London address on the packets, but his letter has been returned "Gone away."

HARRY BRINDLE.

Fagan (142/32) was recently persuaded by an itinerant sponge merchant to buy a case of sponges on the promise that a window display would be supplied, which would help to sell the sponges. Payment was not to be made until the display was received; but a few days later "Fagan" had a letter stating that the merchant was indisposed, and business at a standstill, would "Fagan" kindly send on cheque? The window display would follow, and a fine bath sponge as a gift. "Fagan" sent the cheque, and has heard no more about the matter. He thinks there must be others who have been, or will be, similarly treated.

Legal Queries.

Consult the legal information in "The Chemists' and Druggists'
Diary," 7313 before wri ing about your difficulty.

Honesty (57/31).— You do not conform to the conditions upon which we reply to queries.

H. R. C. (182/60).—The sale of tobacco eigarcties at a bazaar stall will require a licence.

Bagman (177/58).—The label for pick-me-up makes it liable to duty, as it recommends it for "Debility, Nervousness, Sickness, Head-ache, Loss of Appetite, or Indigestion." The injection label does not by itself make the preparation dutiable.

H. S. W. (155/71).—The house-duty chargeable on premises assessed at 74/. a year, occupied partly as a residence and partly as a shop, is 6d, in the £. If occupied solely as a residence the rate is 9d, in the £. You cannot obtain any batement on the sixpenny rate which you have paid, as the aw does not provide for it.

H. B. M. (183/4).—Your tenancy of the house has, since the nd of the agreement, become a continuing tenancy from year year, and you can terminate it only by giving notice six notths before the end of any one year. As the original maney commenced in June, it must end at the same term, and office should be given next Christmas. A quarter's notice is sufficient.

Dens (178/59).—(1) Fines paid under the Pharmaey Act, 38, Section 15, go to the Pharmaeeutical Society. (2) Waspller containing potassium cyanide and sold to a farmer or urdener is not a horticultural poison within the meaning of e 1908 Act. The only scheduled poisons which may under at Act be sold by licensed persons are those containing senic, tobacco, and the alkaloids of tobacco, prepared and tup in accordance with the Act.

E. C. (179/28).—You will find the new charges for "off" ne-licences in the C. & D. Diary, p. 466. The charges now use from 2l. 10s. for premises of 20l. rental to 10l. for 500l. over. The provisions of the Finance (1909-10) Act, 1910, ply the new rates of duty as from June 30, 1910, when the race will cease to be in force, and the Revenue authorities I refund or allow the proportion of the licence-duty for the iod unexpired. So that from that date the new rates of y will be collected. You need not, of course, continue the local supervisor as soon as you please.

Miscellaneous Inquiries.

wc do not in this section repeat 'information given during the past twelve months, inquirers should refer to the copies mentioned. Back numbers for the past five years can generally be obtained from our office at the published prices.

anclagh (181/36).—An L.P.S.I. going straight from I and to India in order to start business is not likely to steed, as the nature of the business is totally different from the old Country. The principals in Indian pharmacy be either commenced as apprentices or (generally) as assisting the steer, and sometimes twenty years clapse before they get a rinership or start in business on their own account.

has on two occasions had "a convulsion of some sort, in thivering, and in trying to walk he rolled over and strend like a drunken man. After about ten minutes of the was violently sick, and then appeared to be all right ag i. He has been treated for worms, without apparent ret. In the ordinary way the dog appears in good health, exit that the coat comes off rather freely." [The dog is suring from fits or convulsions, due to teething, worms, or on foreign body in the stomach or intestines. Examine the eth thoroughly, and if due to irregularity of the teeth ret ve them. Give a good purge, and carefully observe if y worms pass; if so, treat for same. Should none of the regoing be present, give a course of rhubarb, bismuth, an odii bicarb. Care must also be observed in feeding;

withdraw all indigestible food, and give fish, milk-pudding, and similar light articles of food. Fresh air and exercise will also prove beneficial, along with a warm bath occasionally.]

Saxus (176/35).—A consultation with a leading specialist in London eosts two or three guineas. Do you suggest that we should pay this for you in respect to your ailment?

T. W. S. (169/61).—ALBUMIN IN URINE.—The average amount of albumin present in acute cases of albuminuria is 0.1 to 0.5 per cent.—rarely over 1 per cent., although it may rise to 4 per cent. The amount is estimated approximately by carefully coagulating the albumin by means of heat, using a graduated test-tube, and setting aside for from twelve to twenty-four hours. At the end of that time the proportion of the coagulated albumin which has collected at the bottom of the fluid is noted. If the albumin occupy one-fourth, one-sixth, or one-tenth of the height of the liquid, there is said to be one-fourth, one-sixth, or one-tenth of albumin in the urine or it can be roughly worked out in percentages. The use of the centrifugal machine which you possess is to shorten the settling of the albumin to a few minutes, ten minutes being generally sufficient to throw down all the coagulated albumin. The graduations on the tube are doubtless intended to give percentages, but this you can check by measurement. The process can also be worked with a chemical precipitant, such as picric-acid solution, made as follows:

 Picrie acid
 ...
 ...
 1 gram

 Citric acid
 ...
 ...
 2 grams

 Water
 ...
 ...
 100 grams

Equal parts of this reagent and the urine are well shaken together and then centrifuged. The Esbach albuminometer is graduated so that each mark indicates 1 gram of albumin in a litre of urine.

Abney (183/24).—You do not say for what the powder is prescribed.

Manager (British East Africa) (163/35).—Perfumes are best stored in glass or earthenware vessels. If in large quantities earboys or upright glass jars with taps are employed. You will find the advertisements of many bottle-makers in The Chemist AND Druggist and the Chemists' and Druggists' Diary.

Midland (176/46).—BOOKS ON PIGEONS.—There is no book on the lines vou desire. The following books deal incidentally with the diseases: "Veterinary Counter Praetice" (C. & D. office. 4s.): Wright's "Practical Pigeon-keeper" (Cassell, 3s. 6d.); Fulton's "Book of Pigeons" (Cassell, 10s. 6d.): Lyell's "Pigeon-keeping for Amateurs" (Gill, 1s.); Bronn's "Pigeons: Varieties, Management, Treatment, and Diseases" (Dean, 1s.).

 R. J. R. (182/74),— CORN-SALVE ("Ph. F.," 3):

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W. B. (177/7).—Books on Obersty.—Ebstein's "Corpulence and its Treatment on Physiological Principles" (Grevel, 2s. 6d., 1890): Banting's "Rational Cure of Obesity" (reissued 1902; Harrison, 1s.); Van Noorden's "Obesity: the Indications for Reduction-cures" (Wright, 2s. 6d., 1903): Van Noorden and Salmon's "Drink-restriction, particularly in Obesity" (Wright, 3s., 1905). "The subject is also dealt with in Burney-Yeo's "Food in Health and Diseases," chap. v. (Cassell, 10s. 6d.), and Hutchison's "Food and Principles of Dicteties," chap. xxviii. (Arnold, 16s.).

H. F. D. (166/70).—GLANDTLAR DISEASES OF CHILDREN.—We know of no books on this subject. The matter is generally dealt with according to the region affected—tuberculous glands, for example, are treated in works on tuberculosis, and glandular fever in works on general medicine.

W. McG. (175/62).—Turkish Delight.—The following recipe is from Jacoutot's "Chocolate and Confectionery Manufacture" (Maclaren, 21s.):

 Lump starch
 8 lb.

 Crystallised sugar
 80 lb.

 Water
 80 lb.

 Japan gum
 ½ lb.

 Vanillin sugar
 lb.

Dissolve the Japan gum (agar-agar) in 70 lb. of boiling water (it needs prolonged boiling), and mix the starch in 10 lb. of cold water. Add the agar-agar solution gradually to the starch-liquid. When mixed pass through a sieve, and then mix with the crystallised sugar in the mixing and beating machine, with a slight steam pressure. The mass is kept warm and well

beaten for about six hours; it is sufficiently "cooked" and beaten when it no longer adheres to the hand when struck. The vanillin sugar is now added, and when well mixed in, the mass is poured into trays 13 in. deep and powdered with starch. The mass is afterwards cut up into squares and dried in powdered sugar.

J. W. B. (169/23).—(1) TYPEWRITER INK WITH OILY BASIS.—The following is how typewriter ink with a greasy basis is prepared;

 Castor oil
 ...
 ...
 2 parts

 Creosote or carbolic acid
 ...
 1 part

 Oil of cassia
 ...
 ...
 1 part

 Oil-soluble anilin colour
 ...
 1 part

(2) "Liq. plumbi subacct.," when ordered in a prescription in small proportions in a lotion, is liquor plumbi subacetatis fortis B.P. 1908, which in the 1885 Pharmacopæia appeared without the qualification "fortis." When liquor plumbi subacet, occurs in a prescription with an equal quantity of water it is probably liq. plumbi subacetatis dilutus that is required, as some practitioners consider the B.P. lotion too strong for use in certain cases. If, however, the prescription ordered the lotion to be much diluted by the patient, the "fortis" would be indicated. (3) WORM AND CONDITION POWDER FOR HORSES.—The following meets your requirements:

 Dried sulphate of iron
 ...
 2 oz

 Powdered gentian
 ...
 ...
 4 oz.

 Powdered fenugreek
 ...
 ...
 4 oz.

 Powdered nux vomiea
 ...
 ½ oz.

 Powdered ginger
 ...
 2 oz.

 Powdered liquorice
 ...
 12 oz.

Mix. One tablespoonful for a dose morning and evening; for a pony a dessertspoonful is sufficient.

Doctor (176/28).—You do not give any reason why we should examine the sample of cezema-ointment, so that we cannot tell whether the result is likely to be of general interest.

- P. Q. (91/19).—Seeley's Yellow Mercuric-Oxide Ointment is made by precipitation after the manner recommended by Dr. W. H. Martindale (C. & D., November 10, 1906, p. 719) Seeley was an oculist of Cincinnati.
- W. J. H. (176/29).—RABBIT-SNUFFLE LOTION.—We cannot carry the analysis further than you have done. Camphor appears to be the active ingredient, and we should add a little zinc acetate (1 gr. to the ounce).
- J. M. E. (172/72).—REMOVING LETTERS FROM WINDOW.— These are generally removed by mechanical means; the chemical method consists in applying either paraffin or glycerin to the upper edges of the letters. These solvents, however, require time to act.

Spatula (176/6).—Waterproofing a Tent.—The Willesden canvas process is the best (see reply to "M. P. S. P."), but the application of strong soap-solution, followed by solution of Epsom salts or zine sulphate, would probably give to the canvas the necessary imperviousness to water.

- $J.\ MeF.\ (176/66).-$ Labelling Tins.—See $C.\ \&\ D.,\ {\rm May\ 21},$ p. 801.
- E. P. T. (176/14).—THE BOOK-WORM ESSENCE given in the C. & D., August 28, 1909, p. 372, is the best remedy for bookworms we know of
- IV. N. (180/39).—OXIDISED LINSEED OIL would probably give the necessary thickness to the oil-mixture, but, as you do not say what the oil is used for, we cannot definitely advise you.
- E. M. (175/9).—Warbles in Cattle.—To deter the warble flies from laying their eggs on the hides of eattle the beasts are dressed at intervals of a month, from May to September, with some strong-smelling oil or grease. Cart grease and paraffin is used, but the following is an application which chemists could selt:

When the animals are already warbled the "bots" are best squeezed out and destroyed, or they can be suffocated by applying mercurial ointment or ung. picis co. to the hole in the skin.

S. W. (172/28).—Liquid Face." rowder."—This is a zinc exide lotion, coloured with ferrie exide, on the lines of the following:

 Zinc oxide
 ...
 1 oz.

 Glycerin
 ...
 ½ oz.

 White-rose essence
 ...
 2 dr.

 Ferric oxide
 ...
 20 gr.

 Rose-water, to make
 ...
 8 oz.

Triturate the ferric oxide with a little of the zinc oxide, add the remainder of the zinc, and make into a cream with the water. Strain through muslin, add the perfume, glycerin, and sufficient water to make up to measure.

Alpha (179/11).—Snuff for Nasal Catarrh.—The following is a reconstruction of your sample:

Powdered boric acid 4 parts
Powdered tannin 2 parts
Powdered starch 4 parts
Mix well.

- W. & S. (178/9).—Bath-powder Perfume.—The point to bear in mind is that prolonged contact of most essential oils with alkaline salts alters their odour to a marked extent. On this account synthetic products are more successful, such as ionone, coumarin, terpincol, and synthetic neroli.
- M. P. S. P. (177/3).—Sea-green Fishing-nets.—Nets dyed with bluestone are used in Southern France for sardine-fishing and have been tried with success in this country. The new net from the factory is boiled in scap-solution for an heur and then put through a cold solution of copper sulphate (4 oz. to the gallon). A more permanent preserving effect would be obtained by treating the nets by the cupro-ammonia process, a employed by the Willesden Paper and Canvas Works, Ltd. Willesden Junction, London, N.W. Tho only question is a to the cost of the Willesden process; it appears that netting cannot be treated in the same machines employed for canvas and therefore a good deal of extra labour is involved.

Cuprum (182/20).—DRY BORDEAUX MIXTURE.—The method of preparing this are described in the Chemists' and Druggists Diary, 1910, p. 221.

- W. P. L. (177/16).—(1) CHEMICAL WEATHER-GLASS.—The formula and indications of what you call a "cottage barenicter were last given in the C. & D., February 8, 1908, p. 243. It too soon to repeat them. The matter is also dealt with i "Pharmaceutical Formulas." (2) A WINGHESTER QUART half-a-gallon. The expression is a survival from the time of the Winchester standards, which were official in this count from 1588 to 1824, when they were superseded by the Imperimeasures. According to Mr. II. J. Chaney, author "Treatise on Weights and Measures," Winchester quart simply the name of a vessel used for storing liquids, and n a measure of capacity.
- W. G. H. (171/48).—Weed-Killer.—Non-scheduled wee killers are the following: (1) Hydrochloric acid 2 parts, wat 3 parts. (2) Saturated solution of acid potassium sulpha (3) Copper-sulphate solution (1 in 10).

Our Retrospect.

(From the " C. & D.," June 15, 1860.)

Pharmaceutical Society.

On Tuesday evening the council of the Pharmacentil Society of Great Britain, which was projected more the fifteen years ago by the chemists and druggists of Great Britain, for the purpose of introducing an efficient system education, and an examination for the future members their body, entertained the members and friends at a constant of the future of the future numbers of their body, entertained the members and friends at a constant of the future numbers are their body, entertained the members and friends at a constant of the future numbers of their body, entertained the members and friends at a constant of the future numbers of the first of their body, entertained the members and friends at a constant of the future numbers of the first of the future numbers of the future numbers of the future numbers of the future future for the first of the future future

GUARANTEED to CONTAIN NO PERMANGANATE of POTASH

CONDY & MITCHELL, Ltd., will take Legal Proceedings against anyone supplying Permanganate of Potash Crystals as and for "Condy's Crystals."

"Condy's Crystals"

"Condy's Crystals" are put up in bottles to Retail at 1/- each, and are stocked by all the leading Wholesale Houses.

Proprietors: CONDY & MITCHELL, LIMITED,

Condy's Fluid Works, GOSWELL RD., LONDON.

LIVER SALINE.

PRICE:

Per dozen ... 8/- net. Per 6 dozen ... 7/6 ,,



SAMPLES SENT FREE ON APPLICATION.

Carriage paid on quantities of one gross.



IN CARTON:

Per dozen ... **8/6** net. Per 6 dozen ... **8/-** ,,

In two colours, Red or Blue.

We supply this Saline to the Chemist to sell as his own Proprietary, putting his name nd address on label and carton free of charge, if not less than six dozen bottles be ordered. We endeavour, as far as practicable, to limit the sale to one or two Chemists, according to the lateral to the lateral district, when orders of certain quantities are placed.

ALFRED BISHOP, LTD., Manufacturing Chemists,

8 SPELMAN STREET, LONDON, N.E.

ON THE P.A.T.A. LIST.

PAYS FIRST, LAST AND ALL THE TIME TO STOCK

This most extensively advertised preparation is the only non-drug, non-purgative remedy for all Liver and Stomach affections on the market—hence the huge and increasing demand for our speciality.

> 1 12 per Carton and 2 9 per Box. Advertised Prices Trade Prices 9 6 and 25 - per Doz,

As we are now regularly advertising Mer-Syren Powders in every paper of importance throughout the Kingdom, Chemists would be well advised to increase their stocks at an early date.

THE MER-SYREN CO., 17, 18, 19 Cockspur Street, LONDON, S.W.

COCAINE

MORPHINE

and their Salts.

CODEINE

Cotarnine

Narcotine

C. H. BOEHRINGER SOHN,

For prices please apply to my agents: F. W. BERK & CO., LTD., I Fenchurch Avenue, LONDON, E.C. Nieder-Angelheim-on-Rhine.

MATHIESON'S

THE GOLDEN REMEDY FOR-

CONSUMPTION and all Tuberculous Skin Diseases.

IT IS PLEASANT TO TAKE, AND CHILDREN LIKE IT.

LONDON AGENTS .

Messrs. WALKER & SON. 4 Savoy Street, Strand, London,

COLONIAL BUYERS. Chemically Pure, B.P., CRYSTAI BRAND Andrew Steven &

GOLD MEDAL, Cape Town International Exhibition, 1904-5.

"LIQ. SANTAL. FLAV. c. BUCHU ET CUBEBA (HEWLETT'S),

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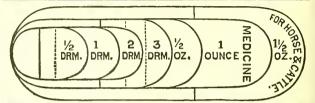
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Ammon. Carb. lump, 3 cwt. @ 3 d. lb.; 28 lbs. @ 4 d. lh.; 7 lbs. @ 5d. lb.; powder, 4d. lb. extra.

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@ 3/9 lb.

@ 3/9 lb.

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Ess. Lemon, 12 lb. Copper @ 3/- lb.; 6 1-lb.
Bots. @ 3/6 lb.; not guaranteed absolutely
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3/2 lb.

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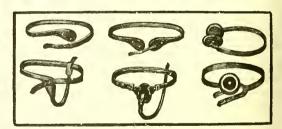
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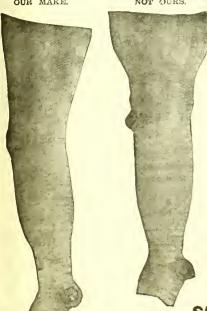
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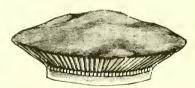




Fig. 14.

per doz. 6/10

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1,	1 2													**	10/
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11	., 11, Me	ercerised	I Sateen	i, med	lium										6
, ,	,, 12, Ass										•••		• • • •	,,	3/10
D:11												• • • •	• • •	, ,	101
Fig. 8,	Tam·o'-Sh	anter si	iape, Ci	100 G	with	Duttor	i top, e	extra far	·ge					, ,	10
INDIA	RUBBER	, RED-	—Fig. 4	, siz	es 1	to 3					+ Be	est pri ϵ	e sul	ject to	marke
	,,	11	-,, ξ	5 , ,,	1	to 6				_	ş	- 1	fluctu:	ations.	
**			No. 18	, Hel	met	shape,	super,	as Fig.	5, but	with 1	Elastic	Stockir	nette l	Head-La	nd.
Fig 14	. OILED	SILK.	size 1			*									11/-
1 15.												• • • •		,,	12/0
2.7	1.7		,, 2					• • •	• • •		***	• • •	• • •	,,	
, ,	,,		,, 3											,,	14/-
Fig. 15	 FANCY 	SATE	EN, As	sortec	I Co	lours,	Mediur	n size						7 0	6/
No. 16	 FANCY 	SATE	EN (as	Fig.	15)	. Supe	r Oua	lity, Bo	ound w	ith B	est Far	icy Ela	istic.		



Fig. 8.





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easily replaced.

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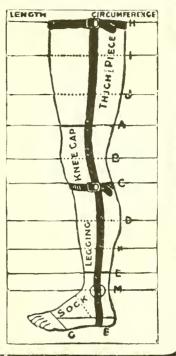
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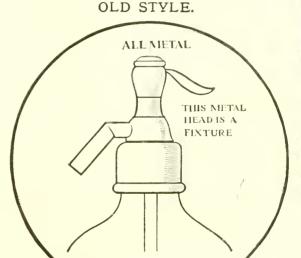
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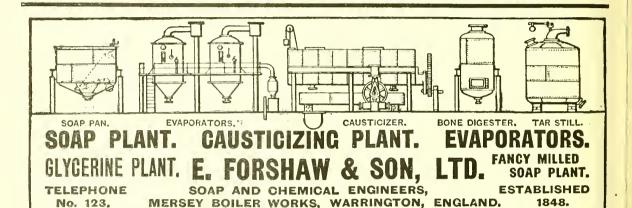
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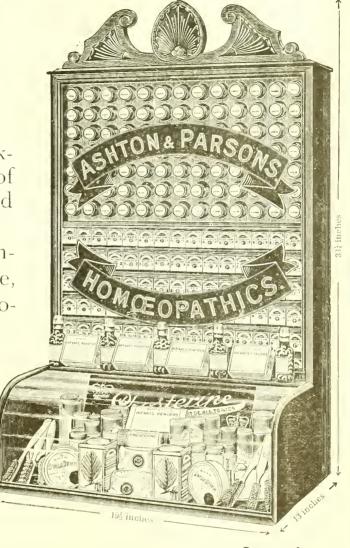
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Old Homeopathic Cases of other makers exchanged free of charge for new ones.

ASHTON & PARSONS, LTD., La Belle Sauvage, LONDON, E.C.

The AutoStrop is the only Safety Razor that can be kept sharp without the expense of new blades.

This fact can be so easily and convincingly demonstrated to your customers that it will mean many sales of the

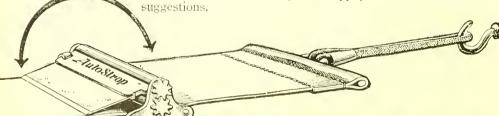
Auto Strop Rafety RAZOR

for you every week.

The automatic, self-contained stropping arrangement enables your customers to obtain the keenest possible edge for every shave. The AutoStrop Safety Razor cannot be stropped wrongly—there is no blade-changing—nothing to take apart to strop or clean. Far quicker, handier, and cheaper than a no-stropping razor—finished like a piece of fine jewellery.

Write for Booklet, "How to Sell the AutoStrop Safety Razor"

which will materially assist you in the selling of the AutoStrop Safety Razor. We shall be glad to send you a copy post free. It contains many practical suggestions.



To strop the AutoStrop Safety Razor-insert the strop through the razor itself, move the razor to and fro. the blade reverses automatically at the end of each stroke, thus stropping itself, in an instant you have a keen edge. You cannot strop it wrongly. Cne blade often lasts a year, and is sharp every day, Nothing to take apart to strop or clean,

All the large Wholesalers now stock the AutoStrop.

PRICES:

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Auto-Strop Safety Razor Co., Ltd.

61 New Oxford Street, LONDON, W.C. Also at HAMBURG, PARIS, NEW YORK, & MONTREAL.



OFFICE: 42 CANNON STREET, E.C.

SATURDAY. JUNE 4, 1910

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers) and to ensure prompt insertion REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done PROYIDED the MONEY is TELEGRAPHED at the same time and the fact made clear that the money order is to be uclivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 852 Bank (two lines).

It pays to pay for advertising in this Supplement.

CHEMISTS' TRANSFERS. ssrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, FURCHASE, and VALUATION.

SEX (Health Resort).—Retail, Prescribing, and Dispensess for immediate Sale for valuation of stock and fixtures 10); returns £890; net profit £220; 8-roomed house; held

DON, S.E.—Light Retail, Dispensing, and Photographic; 1841; returns £600, at fair prices; 6-roomed house; rent ect an early transfer £300 will be accepted.

JON, S.W. (Busy Thoroughfare).—Lock-up Pharmaey; ref; scope for extension; handsome Pharmaey; rent models the value of stock and fixtures will be accepted.

DLESEX (First-rate Locality).—Retail, Dispensing, and this; returns about £700; all profitable business; fittings attractive; very convenient house, held on lease; terms adduation of stock and fixtures.

40 duation of stock and fixtures.

40 No. S.E.—Retail and Dispensing; all good middle-class

47 xcellent position; returns between £950 and £1,000 per

45 t income £259; modern-fitted shop; capital residence;

45 timeome £259; modern-fitted shop; capital residence;

45 timeome £259; modern-fitted shop; Retail, and Displace; pice £750.

40 No. N.W. (Good-class Suburb).—Family, Retail, and Displace to exceed the exceeded of retail to a £1,800 per annum; profits above the average of retail to a £1,800 Prescriptions annually; nicely fitted shop, fully 64; ther details on application.

40 No. (Northern Suburb).—Death Vacancy; established

10.0N (Northern Suburb).—Death Vacancy; established use Retail, Dispensing, and Photographic; returns between ant 600; scope for development; immediate sale necessary; dief stock and fixtures will be accepted.

8:—EASTERN COUNTY.—Good country Business, including Optics; returns average £887, at fair prices; rent £65; comfortable house and garden; terms, valuation and small sum for goodwill.

9.—BIRMINGHAM (Near). — Good-class Retail and Dispensing Business, with Photo, Sundries, and Optical; returns between £1,050 and £1,100 per annum; gross profit £450; price £700, or valuation terms entertained.

10.—SOUTH COAST.—Dispensing, Prescribing, and Dentistry, with excellent sale for own Proprietaries; returns last year, £969, net profit £414; books open to inspection; price required £800.

11.—SOUTH OF ENGLAND.—Very old-established Business, chiefly ready money; returns last year £333, at good prices; vendor retiring; good opening for young energetic man; terms, valuation of stock and fixtures.

12.—WESTERN COUNTY.—Old-established Business; situate in a small thriving town; returns £700 per annum; scope for development; net profit £200; excellent house, small garden; no serious opposition; price £500.

13.—SUFFOLK.—Mixed Business, with Post Office attached; returns over £700 per annum; net income £250; rent £25; comfortable residence; price about £450.

14.—KENT.—Good-class Business; Retail, Dispensing, and Photographic; position good; returns £947, increasing; net profit £224; lock-up shop; long lease; price £650.

will be furnished on application. Particulars of any of the above

b. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value ness, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.
lessrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

PRRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

CO.

Licensed Valuers.

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 160 Y.

F. J. BRETT, M.P.S., gives personal attention to all VALUA-TIONS. An experience of over thirty years is at your disposal.

AGENCY.—We have always a large number of Buyers on our books, and we can frequently find a Purchaser at once. We also have a Frirate Register for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—STAFFS.—In good position of large manufacturing town, nediun-class Light Retail: returns £1.100, at good profits: fine ofty shop: very old established; valuation of stock and fixtures excepted, about £900.

2.—KENT COAST. — Good-class Light Retail. Dispensing, and Phato: elegantly fitted: returns £950, at fair profits; valuation about £550; worth every attention.

3.—LINCS.—Light General Retail; returns about £800; plenty of scope for side-lines such as Photo, Optics, Extractions, etc.; lew monthly many factors.

4.—SUSSEX.—Light Family Retail and Dispensing in good-class residential neighbourhood of large and very popular holiday resort: returns £780; gross profit 40 per cent.; good double-fronted corner shop, with nice house attached; valuation of stock and fixtures accepted, about £450.

Seepred. about £450.

5.—DEVON.—Light Family Retail. Dispensing. etc.; returns £815 nd on the jucrease; good house and shop; valuation about £440.

6.—MANCHESTER [near).—Good-class Dispensing and Family Retail in nice unopposed country district; good double-fronted shop and nice house; returns £725; price £450, or a near offer considered.

and nice house; returns £125; price £450, or a near offer considered.

7.—LEICESTERSHIRE.—In good-class suburb of large town; most han isomely fitted Pharmacy, fitted throughout by Maws, London; fine lofty shop, with very good house attached; returns now under manager £500; under principal were £1,000 (bocks shown to bona-fide inquirers; price £450, or bnyer can have it at valuation of stock and fixtures; very strongly recommended, and a genuine buyer would be likerally dealt with by vendor.

8.—YORKS.—Light Retail in healthy district; returns £500, at a gross profit of 40 per cent.; low rental; price £500.

STOCKTAKINGS.

STOCKTAKINGS.

Write as for our SPECIAL TERMS for this important work

VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVETS & Commended by MESSRS. Barron, MESSRS. Bar

Pouse, at very low leads to terms.

IN capital city Northern County; old-establ'shed Business. Able of doing £1.500 to £2.600 in good Country and Agrilult trade; excellent position; no cutting; valuation terms, about £ quite undeveloped; net rent £50; excellent chance for young bus.

Licensed Chemists' Valuer.

Businesses for disposal, Valuations for transfer, Problems &c. Stocks and fixtures purchased to any amount of the cash. Stocktakings undertaken, personally conducts

3 Belgrave Terrace, LEEDS. Telep M

Telegraphic Address

THOS. TOMLINSON

Chemists Valuers and Expert Stocktakers, Businesses transferred privately 29 NEW CANNON STREET,

ESSRS.

Chemists' Valuers and Transfer Agents, 35 JEWRY STREET, FENCHURCH STREET, CITY

TELEPHONE: 1809 CENTRAL,

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—SOUTH COAST.—High-class Dispensing and Retail Business; neglected through ill-health; returns £1.750; excellent prices; very best position; plenty of scope; owner retiring; price £950.

1.—SUFFOLK.—Good-class Light Country Retail Business with valuable Specialities, in good market town; returns £900; net profit £270; scope for increase; splendid house and garden; price about £300, or small geodwill and valuation.

3.—HAMPSHIRE.—Light Family Retail Business in good-class growing district; returns nearly £700; no side-lines; plenty of scope; net prefit £220; good house and shop; price £440.

4.—KENT COAST.—Good-class Retail. Dispensing, and Prescribing Business, in splendid position; returns £950, increasing; modernitted shop, fully stocked; unlimited scope; price £650.

5.—LONDON, W.—Cash Retail, in busy main road; returns over

htted shop, bully stocked; unlimited scope; price 2000.

5—LONDON, W.—Cash Retail, in busy main road; returns over £70 weekly; net profit about £500; price £800.

6—LONDON, N.—Very profitable suburban Retail; returns £650; net profit £279; price £475; part cau remain.

-WEST OF ENGLAND.-Old-established Business, in sp & tion; returns about £1,600; handsome corner shep. I

nosition; returns about £1,600; handsome corner shep, it it stocked; good house; price for early sale £1,450, or valuation ra arranged.

8.—SUSSEX Fashionable Seaside Resort).—Light Retail at Dipensing Business; no side-lines; returns £550, increasing; at the Pharmacy, well stocked; good house; low rent; price £600.

9.—MIDLANDS.—Sound Light Cash Retail Business in ver oposition; returns about £500; net profit £200 clear; corner to fally stocked; excellent house; price £260, or valuation.

10.—SOMERSET (Coast). — Good-class Retail; in symposition; returns £600; can easily do £1,000; attractive show inted and stocked; price £50 and valuation; in all about £50 and the control of the contro cked: price £950, or -Good-class Retail 12.—LONDON, S.E.—Good-class Retail and Dispensing; £600: net profit £190: low rent: price £280, about valuation

STOCKTAKINGS. SPECIAL NOTICE.

Below are some reasons why you should have a yearly Stocktaking:

1. You know the exact profit made, which is so important in arriving at the value of a business.

2. You know whether you are overstocked and where you can reduce.

3. You know if you are fully insured against Fire and with the contraction of the contraction. You know if you are fully insured against Fire and with our book you can make an indisputable with our book you can be a contable with our book you can ma 4. In the event of your wishing to sell, you know the exact value of your business, which would it save disappointment to either vendor or purchaser.
5. In the case of branch shops it is an absolute necessity, if they are to be carried on with successity.

MESSRS. BERDOE & FISH invite Chemists to write for their new and special t m for Stocktaking, which have been **Revised and include a Scheme** whereby now need go without this necessary and all important work being done.

#40 YEARS' PRACTICAL§EXPERIENCE. 8 §See page 132 " C. & D. Diary," 1910.

ALEXANDER.

LICENSED EXPERT VALUER,
RAHAM ROAD, LONDON, N.E.
RTAKES VALUATIONS FOR SALE,
ASE, PROBATE AND STOCKTAKING

on reasonable terms.
TELL-KNOWN EXPERIENCE TO LONDON HOUSES. lanted and for Sale. Chemists' and Assisiants' Wants Undertaken. We desire particularly to draw the attention of Cc onial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and militances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

COLONIAL BUSINESSES.

he special attention of our Coionial subscribers to portunity3this Supplement affords when they wish pose of their Businesses, of getting into touch with buyers either at home or in the Colonies.

o Advertisements may be addressed to this Office rwarded to the Advertiser for an additional charge . Trade circulars and samples can in no case be rded.

GHAM.—A large Shop, well situated, to be Disposed of, diately, at very low price; an exceptional opportunity for n just commencing, with small capital. 60/25, Office of

IGHAM (Suburbs).—Unquestionable opportunities; 2 old-lished Businesses; first, death vacancy; main thorough-ndidly fitted and stocked; rent £40; returns £700; price nd, illness cause sale; main road; Mixed trade; very profit-rns £900; rent £25, on lease; price £450; worth seeing. Hope Street.

ORD, YORKSHIRE. — Drug Stores; unopposed; in ous district; no opposition; returns £300 under Junior; house let off 7s. per week; excellent opening for unan; fullest investigation; price £180 or valuation; net 1. Apply, 59/14, Office of this Paper.

N SUBURB.—Genuine Retail and Prescribing Business in road of growing neighbourhood for immediate Disposal; throughout on modern lines; electric light; established years' lease; good opening for Dentistry; price £250, but ble offer refused. Apply, "Alpha," c/o Meggeson & Co., Cannon Street.

CROSS.—£20 cash, balance £50 by easy payments, will ase established profitable Prescribing and General Retail; thoroughfare; returns over £7 weekly; no Patents; rent of rates and taxes; lock-up shop; turnover eould easily by energetic man. "G. M.," 29 Caveudish Road, Brondes-

HIRE.—Splendid opportunity; a Chemist with any knowleft bentistry will find this business a bargain; Optics and
hy would be excellent additions, as there are none in the
a neighbourhood; a good Prescriber necessary; returns
to of which £230 are from Dentistry alone; owner going
int low; double-fronted shop on main road; price £550.
The hemist" (57/23), Office of this Paper.

HIRE.—Splendid stand; good house; established 25 years; investigation; returns £700; few Patents; price £350.

Di-Business; net profit £2 per week; main road; low rent; coaouse; price £150 or valuatiou. Apply, Hirst, Brooke, L, Leeds.

Di-Drug Stores; busy, thickly populated locality; valua-a bek and fixtures, £230; good opening for qualified man ct Dentistry; owner going abroad; good shop and house. £tt, Druggists' Sundryman, Wellclose Place, Leeds.

LIVERPOOL. — For Disposal, good-class Light Retail, Proprietaries, Prescribing, Dispensing, Optics, Extracting; excellent position; good house, private door; mahogany fittings: electric light; large shop and store-room; good window; profitable Business; few Patents; satisfactory reason for selling; capital required about £750; shop well stocked. Apply, "M. A. T.," c/o Evans Sons Lescher & Webb, 56 Hanover Street, Liverpool.

L ONDON, N.—Thoroughly genuine Cash Retail and Photographic in main road, marketing thoroughfare; large population; opening for Optics; beautifully fitted and well-stocked shop; one assistant kept; turnover £1,400; net profit £314; owner joining dental hospital; price £150 for goodwill and lease; stock, fixtures, and fittings at valuation; about £950 required. 62/15, Office of this Uaper.

L ONDON, N.—Cash Prescribing and Dispensing Business, doing between £600 and £700 a year under management; thoroughly sound; capable of big increase, and trial given to genuine buyer with references; big opening for Dentistry; no reasonable offer refused. Apply, "X. Y. Z." (186/30), Office of this Paper.

ONDON. S.E. (Main Road),—Well-established, modern, and well-fitted Pharmacy; 6-roomed house; all in good repair; new drains; returns £700 under Manager; formerly £900; proprietor leaving to take up appointment abroad would accept immediate transfer at valuation of stock and fixtures (about £350) and defray cost of valuing; rent £60; 4 rooms let off at 11s. weekly; full particulars will be furnished to bona-fide applicants. 64/83, Office of this Paper. of this Paper.

LONDON, N.—Cash Presoribing and Dispensing Business, doing between £600 and £700 a year under management; thoroughly sound; capable of big increase, and trial given to genuine buyer with references; big opening for Dentistry; no reasonable offer refused. Apply, "X. Y. Z." (186/30), Office of this Paper.

ONDON SUBURB.—To be Sold, as early as possible, with immediate possession if necessary, at valuation of stock and fittings, about £350; main thoroughfare; good-class locality; good position; well-fitted shop; good house; plenty of scope for increase; only those with cash need apply. 62/22, Office of this raper.

MANCHESTER (near). — Old-established Mixed Business in populous thoroughfare for Sale; well stocked and unusually fitted; good opportunity for capable man; none but bona-fide purchasers entertained; reasonable offer accepted; advertiser, leaving trade, must close at once. 63/10, Office of this Paper.

MIDLANDS.—For immediate Disposal, owing to death of proprietor, old-established Retail; market town; double-fronted shop and good house; stock and fixtures at valuation; rent low; lease if required. Apply, "G," e/o Evans Sons Lescher & Webb, Ltd., Church Street, Birmingham.

MIDLANDS.—Business in best residential suburb of pleasant town; returns £9 per week; very profitable trade (estimated £3 weekly); well-fitted shop; comfortable house; rent 10s. 6d. clear of rates; vendor, who has taken up other duties; will accept valuation only (about £220). Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

NOTTINGHAM.—Herb and Drug Stores, main road; old established; stock and fixtures recently valued at £130; will accept highest offer over £100. Apply, 2 Queen Street, Derby.

S.E. LONDON.—Shop only; rent 7s. 6d. week; fair trade, fix-accept about £40; must sell; interview invited; good position. Dove, 2 Carter Street, Walworth.

SEAPORT town; Light Retail Business (no Side-lines) for Disposal; estimated net profit over £300; handsomely-fitted shop and well stocked; good house, with every convenience, garden, greenhouse, etc.; price £620; every investigation to bona-fide purchasers allowed. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

BUSINESSES FOR DISPOSAL

(continued.)

SHAKESPEARE'S COUNTRY.—Under exceptional circumstances, a small Chemist's Business, combined with high-class Tearooms; nice country house; situated in the heart of Y. arwickshire, with good garden facing the village green; splendid chance for gentleman with some means or wishing to partly retire; scope for Agricultural-Horticultural trade; price £160. "Rural" (65/3), Office of this 1 aber.

OUTH LONDON.—Family Cash Business; good class, fitted and well-stocked large shop; good house; every convenience; returns £800; neglected and indifferently managed; net profit £223; long lease; important position; plenty of scope for an energetic proprietor to increase rapidly; price about £450; full particulars invited; references exchanged; one-third could remain at 4 per cent. if required. 64/38, Office of this Paper.

OUTH WALES.—I have several Retail and Dispensing Businesses for Sale: good opportunities for up-to-date men. State wants, R. Penrose Kernick, Surgeons' and Chemists' Licensed Valuer, 192 Newport Road, Cardiff.

OUTH-WEST OF ENGLAND.—Good-class Light Retail and Dispensing Business; returns average £1,800; fine position; unprofitable ratents not stocked; plenty of scope for the addition of Photo goods; valuation of stock and nxtures about £1,100, or £1,100 will be accepted. "Exeter" (185/8), Office of this Paper.

W EST-END.—In busy main road, near theatres and hotels, a Prescribing and Dispensing Business: 80 per cent. profits; splendid opening for Dentistry or Optics; rent exceptionally moderate; shop and pariour; none but bona-fide purchasers entertained; reasonable offer accepted; or would entertain a Partner, qualified or unqualified, with small capital. 65/8, Office of this Paper.

WORCESTERSHIRE. — For immediate Disposal; owner ordered abroad through serious illness; old-established Light Country Retail Business in small market town; charming locality; very convenient house; low reut; double-fronted shop; good position; price only £175. or valuation; exceptional chance for an energetic man. "Urgent" (64/11), Office of this Paper.

CHEMIST and Druggist Business for Disposal; finest market position in favourite suburb; next to Sainsbury's; low rent; perfect home; splendid fitted shop; Boots' style; proof trade £15 weekly; price £495, includes £200 stock. Call, Russell & James, 176 High' Street, Acton.

PRUG-STORES.—Returns now 4500; certain increase by qualified man; Optics, Photographics, and Dentistry nil; good opening for all these; rent, rates, gas for house and shop, wages for boy part-time, amount to £1 a week; illness cause of disposal. Further particulars from "Parliament" (59/4), Office of this Paper.

FOR immediate Sale, at low figure, small Retail and Dispensing Business in fine position City of London; improving, and every prospect of continuous increase; well fitted and stocked; moderate rent. "Primus" (64/6). Office of this Paper.

FOR immediate Disposal, through ill-health, Drug-stores, London, N.W.; main thoroughfare in working-class locality; mostly penny and Prescribing; few Patents; splendid opening for Extractor; suit qualified or unqualified; price £75, practically valuation of stock and fixtures. Apply, 61/27, Office of this Paper.

GENUINE modern Business in good position of market town, within 50 miles of London; Prescribing. Photo, Agricultural; returns average £525; low reut; good and increasing profits; price £350, a sacrifice to ensure speedy sale; owing to urgent family reasons sole cause for disposal; exceptional chance for man with small capital. "Statim" (62/38), Office of this Paper.

COOD-CLASS Business for Disposal; commanding position in South-Western Suburb; returns average £120 month, increasing; nct profit £460 year; fine house with side-door and garden; lowest each price £300. 64/27, Office of this Paper.

IN MIDLANDS.—Delightful country; best position small town (one opponent); eld-established Family Retail and Dispensing (7,000 Prescriptions), with Wine Licence; same hands 40 years; returns over £2,000; rent £70; net profits £450; price £450 and valuation. Leicester, 9 Fentiman Road, S.W.

LIGHT Retail, Dispensing, and Photographic Business in large town, S.W. of England; good position; well-fitted shop; complete:stock; 6-roomed house (let off); returns £820, increasing; books kept; introduction offered; price £450 (about). 62/9, Office of this Paper.

MUST be Sold. — £550 will buy an old-established higher Chemist's Business in first-rate position large town, East Counties; well stocked and worth considerably more, Full tieulars from "R. G." (59/25), Office of this Paper. No agents.

OLD-ESTABLISHED Business in market town, South; reti-£700, at good profits; good house, large garden; price £500; lease; books open to investigation. Apply, 59/II, Office of Paper.

TO be Sold, the late Dr. Finegan's Medical Hall, 32 Thomas Str. Dublin; fitted at a cost of £500. Appy to Λudrew J. Kerl Auetioneer, 10 Lower Ormond Quay, Dublin.

UNOPPOSED Country Business, Western County; returning a start weekly under apprentice; large profits; returns et doubled or trebled under capable man; rapidly increasing polition; rent £22 inclusive, £10 let off; strictest investigation invisabsolutely sound investment for qualified or unqualified gentle with £120. "Paraldchyde" (57/27), Office of this Paper.

TNOPPOSED Light Village Business, within 20 miles of Lora; returns between £800 and £850, at good profits; rapidly groud district; large shop, exceptionally well stocked; moderate relibeled on lease; satisfactory reasons for selling; price £475; this chance very seldom offered. Apply, "Village" (64/101), Official this Paper.

£60.—Lincolnshire.—Country Retail, Prescribing, and Ext. ing. with Newsagency, Wines, etc. "Aspirin" (5), office of this Paper.

£120.—LONDON, W.—Returns £330.to £400; scope for la increase: good opening for Dentistry; rent £40. Ally, 64/28, Office of this Paper.

£140. Bargain; genuine Retail and Prescribing Busines or immediate Disposal; returns average £360, and shou opposition; rent £30. 64/16, Office of this Paper.

£180 buys old-established Business; corner shop, main of roughfare; Manchester; valuation of stock and fixt a just taken, £181 10s.; turnover 1909. £540; splendid openin order Deutistry; good scope for increase; reasons for immediate disjunction, apply, "Urgent" (62/10), Office of this Paper.

£250 or near offer; good Prescribing Business; weekly talget average £12 to £14; fittings of shop cost over: 01 established 6 years; large shop and house; rent on long lease, 00 worth attention; death cause of sale. Apply, Harris, 46 Upton included Forest Gate, E.

£350.—Light Retail and Dispensing Business; established of the 80 years; well situated in popular health resort; re units last year £540; capable of considerable increase; net profit £200; of the sell through illness; genuine bargain. "X." (62/32), Office this Paper.

BUSINESSES WANTED.

BUSINESS, showing net profit from £150-£250; replies is state full particulars and if part purchase money could red in or neur London or residential seaside resort preferred. "State (64/8), Office of this Paper.

MY First Advertisement this Year. Ordinary class Busine in quired; London or Southern or Midland town; any size in over, £400 to £1,200, entertained, provided genuine; comm of the following the first provided genuine; comm of the following that the first provided genuine; common only desired with responsible vendor furnishing reliable the ments. Address rent, lease, takings, and lowest eash provided in the following provided graphic (60/15), Office of this Paper.

WANTED, a good-class Business; returns between £701 m £1,200. Full particulars, in confidence, "B. C. O." (9) Office of this Paper.

WANTED, to Buy, for eash, or Manage with view to pur is sound Business doing £600 to £700, in market town or revillage; convenient house required; South or Midlands preiod State particulars and price to "Pharmacist" (61/2), Office (hi Paper. No agents.

APPRENTICESHIPS.

A N opportunity arises for tall, well-educated youth as A tice in modern business, busy main road, S.W. district, a thorough training can be had in all branches of Pharmacy in due attention paid to the business side; under direct super in opposite the property of principal; easy hours; outdoors; uo premium required.

FOR SALE.

UTIFUL set of Old Oak Fittings for Sale; a bargain; can be inspected at the showrooms of Evans Sons Lescher & Webb, io Bartholomew Close, E.C.

PLETE Fittings of new Drug-store, comprising 12-ft. Counter, 1-ft. Counter, Dispensing-screen, 7-ft. Wall-case, 10-ft. Window \$,9 Glass Shelves, 5 ft. by 10 in., with Supports, Back Fitting, I. wers, 6 Cupboards, etc., nicely stained and varnished; £20 the ...upply, "Quinine," Evaus Sons Lescher & Webb, Ltd., 56 Handerteet, Liverpool.

GS, Surgery Appliances, etc.—For Sale, the contents and ittings of the well-stocked Surgery of a late London practice; also Doctor's Box Couch; suit Doctor starting practice or system or Chemist. Write, in first instance, 179/61, Office of is aper.

IRE FIXTURES AND FITTINGS in Mahogany of Branch harmacy, fitted by Evans, Liverpool, in 1908, comprising in w-enclosure; 16-ft. Wall-casc, with 60 Drawers, 2 Cupboards, decres; 6-ft. 8-in. Wall-casc, Fig. 19 (Evans); Counters, 12 ft. dt ft. 6 in., with glass cases in front; Perfume-case, with Desk; our r-case, Fig. 2741 (Maw); Dispensing-sercen, with three glass see 2 Swau-necked Carboys. Moorhouse, Pharmacist, Barnsley.

C Sale.—A splendid opportunity occurs of acquiring interest in very successful Proprietary with most attractive name, selling ornsly at present, and easily capable of further increase; suitable for either Wholesale or Retail. 57/31, Office of this

Sale, the Sole Right of a very fine Proprietary Article: most tractive registered name, which lends itself to a variety of tits; most suitable for a financial syndicate or chemist having a of shops. 62/6, Office of this Paper.

H-CLASS effective Proprietary Medicine for Sale; great possilities; splendid testimonials; full particulars to bona fide qurs only; must be prepared to invest £2,000. Write, 6e ine," c/o Potter's Advertising Agency, 56 Ludgate Hill, E.C.

OGANY FIXTURES; good condition; Nest Drawers, shelving rer; Counter, cased front; Wall-case, Perfumc-case and Desk; ent ass Case, Dispensing-screen, Carboys; Check-till; 150 Bottles; idea 45. F. W. Smith, 3 Belgrave Terrace, Leeds.

PREMISES FOR SALE.

Or trder of the Mortgagee.—Four Shops; lease 19 years; net tals £89; old-established Chemist; with possession; no opposition of the sober man; also a Shop for a Dentist; main road; stations; price £700 or offer. J. R. Howarth, Auctioneer, Peon Place, London, W.C.

TO LET.

CHEETHAM HILL, MANCHESTER.—From June 24, Shop as now in occupation of Mr. Heath, Chemist, and Dwelling-house adjoining No. 2 The Grove; prominent business position. Wulliam Davies, Auctioneer, 9 Albert Square, Manchester.

LAMBETH WALK. 181 (very best position).—Large Shep, house and stable; also corner House and Shop, 25 Cornelia Street, Highbury; suit Store Chemists. Apply, Wharton & Stuat, 8. King Street, E.C.

CCARBOROUGH (The Spa).—New Pump Reom, now in course of construction, including the right to sell the celebrated Spa Waters, Tonic, Saline, and Chalybeate (discovered in 1670), to Let by Tender; suitable for Chemist. H. T. Chambers, Secretary, The Spa, Searborough.

SHOP, small look up (or with rooms over same if required). Hackney, ney, to let, suitable for Chemist; good position, uear Hackney Downs Junction. Apply Messrs. Bunch & Duke; 360 Mare Street, Hackney. Telephone 1809 Dalston.

CHOPS (Branksome, Bournemouth).—Rapidly increasing neighbourhood; main road, uear railway station and tramway junction; splendid opening; rents £50 and £70. Apply, Jones & Seward, Builders, Bournemouth West.

AGENCIES.

CENTLEMAN, with first-class connection with Chemists and Grocers, West of England, open for one or two good Agencies or direct service: excellent references; Society guarantee. 46/28, Office of this Paper.

A N established firm in the Mineing Lane district who have an outlet for Drugs, Seeds, Roots, Oils, and Chemicals are open to enter into negotiation with firms desiring a London depôt (ôffice and warehouse); buying and selling on commission undertaken for Home or Export trade. 177/46, Office of this Paper.

PARTNERSHIPS.

PARTNERSHIP wanted in good Country Business by young qualified Chemist with excellent experience, or Managership with view to succession. Apply, "Aspirant" (64/24), Office of this Paper.

WANTED, Partnership (or as Assistant with a view to purchase) in a sound country business; Midlands preferred: Veterinary Specialities. Apply, "D. C." (59/2), Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less: 8d. for every 10 words beyond, prepaid.

RETAIL.

AB YSTWYTH.—Junior Assistant; Welsh preferred; outdoors, plv, stating age, salary, experience, etc., to Miall Jones, Aberystwyth.

BA SLEY. — Wanted, unqualified Assistant; outdoors: no nday duty; hours 8.30 to 7 p.m., Thursday 8.30 to 12 noon, with ary required, and copies of testimonials (recent), etc., to dange, Drug Department, Co-operative Stores, Barnsley.

Part-time Assistant; about 5 hours daily; suit Student nyone seeking light work; must have had good experiper week (outdoors). 61/37, Office of this Paper.

B^{IR}(NGHAM.—Junior Assistant wanted, at once; used to Dishsing; outdoors; hours 9 to 8, Wednesdays 9 to 4: wages to memce 25s, per week; please send photo. Apply, Bellamy & wakef 1, Hagley Road Pharmacy, Edgbaston, Birmingham.

Bir (NGHAM.—Vacancy for unqualified Assistant; age 25 to 30; lor or lesirous of picking up some Mechanical and Surgical Dentistry. B. Stuart Birt, Selly Oak.

PRISTOL.—Qualified and unqualified Assistants required for Relief work at Branch shops during holiday season; satisfactory references necessary; hours 8 to 8.50, Fridays 9.50, Saturdays 10.50; no Sunday duty; one afternoon each week. State references, salary, and enclose photo, to Mauaging Director. Hodder & Co., 5 Nelson Street, Bristol.

BURSLEM.—Assistant (Junior), about 25 years, good Salesman, for Retail Counter; give experience, with references and salary; short hours; no Sunday duty; close Thursdays I o'clock; outdoors. State age and height and if single, Thos. Leicester. Chemist, Burslem.

BUXTON.—Assistant wanted; 25 to 30; outdoors Photographic and Dispensing experience necessary; abstainer preferred. Full particulars, age, height, references, experience with first inquiry (photo would be returned). W. Pilkington, Pharmacist, Buxton.

DEVON.—Qualified Chemist wanted; polite Counterman; married; age about 30; capable of taking charge; house provided and permanency to suitable man; short hours; no Sunday duty. Send photo, state beight, salary required, and previous experience to 62/25, Office of this Paper.

EDINBURGH.—J. C. Pottage & Co. have a vacancy for a reliable Junior, accustomed to a good-class business. State usual particulars, etc., to 115 Princes Street.

SITUATIONS OPEN (continued).

L IVERPOOL.—Assistant in good-class City business; hours 8.45 A.M. to 9 p.M., Saturdays to 10 p.M.; outdoors; no Sunday duty; half-boliday each week. Full particulars to John H. Robinson, Exchange Station Pharmacy, Tithebarn Street, Liverpool.

LIVERFOOL (Suburb).—Junior Assistant wanted for about 3 months, accustomed to first-class Retail, Dispensing, and Photography. Apply, with full particulars as to age, height, references, salary required, and euclose photo, to Parker, Pharmacist, Huyton, Liverpool.

L IVERPOOL.—Competent Assistant; experienced in Dispensing, Counter, and Photography; abstainer preferred; outdoors; age 25-30. Full particulars, with photo, to Ashcroft, Pharmaeist, 112 Aigburth Road, Liverpool.

I ONDON, W.—Qualified single man, about 25 or 26 (ontdoors), as bispenser; must write a clear hand. Apply, personally, or if by letter give age, salary required, references, and enclose photograph, to R. A. Potts, 62 South Audley Street, W.

LONDON, S.W.—Junior Assistant wanted, immediately; apply personally or send full particulars as to experience, age, and salary required (outdoors); no Sunday or Bank Holiday duties. Dan Davies, 324 Coldharbour Lane, Brixton, S.W.

L ONDON, W.—Wanted, for June 20, smart Junior (indoors), about 20 or 21, accustomed to good-class Dispensing and Photographic. State age, height, salary, and references, enclosing photo (to be returned), to H. Dixon, 1 Russell Gardens, Holland Road, Kensington, W.

L ONDON, W.—Junior wanted for good-class Dispensing and Light Retail business. Apply, stating age, height, previous experience, and salary required (indoors), to S. Lynn, Chemist, 94 Queen's Road, Bayswater, W.

CONDON, S.W.—Qualified Assistant; not under 24 years of age; accustomed to good-class business; indoors; 3 kept; personal application preferred, or give full particulars as to age, height, experience, and salary expected, to H. S. Hairsine, 47 Haymarket, London

TONDON, W.—Wanted, a competent Assistant, not under 22, for Dispensing Business, with knowledge of Photography; indoors, Please send full particulars, experience, references, etc., to W. A. Weston, 78 Broadway, Ealing.

LONDON, N.—Junior Assistant wanted for first-class Dispensing and Retail business. Full particulars to "Dispensing" (60/31), Office of this Paper.

ONDON, S.W.—Required, Dispenser, holding Minor certificate: hours of work approximately 8.45 to 6 p.m., Saturdays till 3 p.m.; no Sunday duty; salary to commence at 45s., to advance to 50s. after six months' satisfactory service; duties, Dispensing only; 14 days' annual vacation. Reply, stating age, full experience, etc., 718, Sell's Advertising Offices, Fleet Street, London.

ONDON, W.—Junior Assistant required for good-class Dispensing and Retail Business; outdoors; must be smart Counterman and good Window-dresser; personal application preferred. Apply Mr. Gosling, 173 Ladbroke Grove, W.

L ONDON, N.E.—Qualified Manager, not over 30 years, for goodclass business; 1 whole day off weekly, Sunday duty alternate evening only; must be good Counterman and have knowledge Photography. Long, 197 Lower Clapton Road, N.E.

I YNTON, N. DEVON.—An indoor Assistant for about 3 months, accustomed to a good-class husiness and having a knowledge of Photography. Apply, stating age, height, salary required, experience, and enclose photo, to S. Lester.

NORTH WALES.—Junior or Improver for the summer, accustomed to Photographic work and assist generally; outdoors; hours 8 till 8: half holiday weekly. Apply, giving full particulars, to Williams, Medical Hall, Holyhead.

PENZANCE.—Assistant; outdoors; good Counterman and knowledge of Photography. Please state full particulars and salary required to S. Carter, Chemist, Penzance.

SHERINGHAM.—Wanted, on July 1, Assistant, good Dispenser, for about 2 months; indoors. J. B. Gooch, W. H. Burrell & Co., The Pharmacy, Sheringham.

SOUTH AFRICA.—Qualified Assistants open to accept situon in South Africa should write to Lennon, Ltd., 54 Elizabeth Street, London, S.E.

OUTH OF ENGLAND.—Smart, gentlemanly Assistant requestion of salary and permanency for suitable man; good Dissessential. Timothy White Co., Ltd., Portsmouth.

OUTH WALES.—Qualified gentlemanly Assistant; 25 to 30 a of age; Welsh; unmarried; good references. State full sticulars, with photo and salary required (outdoors), "Pharm of 7 Page Street, Swansea.

OUTHSEA. — A capable qualified Assistant, of good are wanted, at once, for Dispensing business; must have have experience; season eugagement. Enclose photo, T. O. Barlov Pamerston Road, Southsea.

OUBURB OF LONDON.—Wanted, Manager, married, aby years of age; Extractor; good knowledge of Photograph; of doors; permanency. State age, height, and salary, with reference and recent photo, 60/18, Office of this Paper.

TUNBRIDGE WELLS.—Qualified Assistant for high-class Deing business: indoors; 2 kept. State usual particulars, is required, and enclose photo, Howard & Son, Tunbridge Wells.

WEST-END Pharmacist requires competent Assistant; it first-class Dispensing; indoors. Apply, giving full partial age, experience, salary, to 64/26, Office of this Paper.

WOKING.—Wanted, at once, Junior Assistant (about a doors, in a Dispensing business; weekly half-holiday, with full particulars as to references, salary, and photo, to A Davies, Chemist, Woking.



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ENSER wanted, on June 26; must be qualified; Minor prered. Apply, stating salary required, to Drs. Tanner and Farnham, Surrey.

CCLASS qualified Manager, accustomed to up-to-date busis; good salary and share of profits. Apply, giving full parto 59/24, Office of this Paper.

une 13, a capable, experienced Senior Assistant, qualified, sing permanency. Send full particulars Cornwell, Chemist,

LEMANLY Assistant, age 25 to 30, having knowledge of crating Dentistry, may hear of a permanent and lucrative i by applying and enclosing photo (returnable) to "Abra-(53/26), Office of this Paper.

ODS, LTD., have vacancies for several young ladies for the mistry and Perfumery Counters; must be thoroughly exd. Apply, personally, to Staff Superintendent, at 44 Hans , S.W.

R Assistant required for London, immediately; good Dissing and Photographic experience essential. State age, equired, and when at liberty, 62/04, Office of this Paper.

M wanted, either qualified or otherwise; Extractor precred; reliable and trustworthy man for working-class elderly gentleman would do; work light. Apply, Richard-Tong Road, Leeds.

MACIST.—Young and energetic qualified Pharmacist, about years of age, required by a large firm of Wholcsale Manug Chemists; must be an accurate and quick worker; preperience in the Wholcsale not essential. 186/13, Office of this

IF1ED Assistant for good-class Retail and Dispensing busis, situated in an inland watering-place. Applicants will tate age, height, salary required, references, and enclose be returned), 59/28, Office of this Paper.

IFIED Assistant for country village; very light duties; suit rly Chomist or student for Major. "Kent" (58/2), Office of er.

FIED Manager required for one of the best businesses the Midlands; good salary to suitable man; permanent. Competent" (63/13), Office of this Paper.

FIED Assistant wanted for small Brauch; if by letter age and salary. Apply, 220 Edgware Road, W.

AFIED Assistant wanted with good Dispensing experience. Aly, with full particulars of age, height, salary, and preeagements, to R. C. Harrison, Ph.C., Hiudhead Pharmacy, h. Haslemere.

FIED Manager, married, to live on premises, to work up meeted Branch; also Lady, qualified (outdoors), for Light of Apply, stating references, age, and salary required, to ce of this Paper.

use of this Faper.

LI wanted, Tuesday and Thursday afternoons, from 2 till by we minutes from Victoria. State full particulars, example of the state of the faper.

ANED, for a few months, Junior or Improver; good-class Dispe ng business; outdoors; unqualified; half-holiday weekly. Sery required, experience, send photo, 59/12, Office of this

AND, for the coming season, commencing early July, an Astant; must be a good Salesman, experienced Dispenser, lard good practical knowledge of Photography; a qualified Privred, but not essential. Apply, with photo, stating it ired and other particulars, to William Ruff, M.P.S., West lacy, Whitby.

'AN D, indoor Junior Assistant (English), about 21, for a soclass business; practical Photographic experience necessary, with full particulars, to S. T. Milbank, Pharmaceust, Bishop Stortford.

NN D, Locum, for fortnight from the 9th inst. "N.," 4 Locum, Ephraim Lane, Streatham, S.W.

WANTED, a Lady Dispenser, with some experience in Surgical Nursing, for a firm of Surgeons. Apply, with reference, state salary required (outdoors), Drs. Stewart and Woodman, Hexham.

WANTED, qualified Assistant for modern cash business; must be good Counterman; energetic, steady, and reliable; a good opening for a young man anxious to get on. 62/40, Office of this Paper.

WANTED, on the 13th, qualified Assistant to manage Branch; hours 9 to 10.15, one evening off at 5, alternate Sunday evening duty; salary 50s. (outdoors). Apply 60/27, Office of this Paper.

W ANTED, Part-time Assistant, at once; suit student; convenient for schools. Apply, "Chemist," 20 Sussex Street, Warwick Square, S.W.

WANTED, competent Assistant; indoors; must be good Dispenser.
Apply, with full particulars and enclosing photo, to Gregory & Wrenn, Chemists, Tauuton.

WHOLESALE.

P1LLS.—London Wholesale Drug-house.—Required, at once, a Second Hand in the Pill Department; knowledge of Coating essential. Apply, stating salary, references, etc., "Pill," c/o Street & Co., 50 Cornhill, E.C.

PRACTICAL man, with knowledge of Drugs, required, to take entire charge of small Manufacturing Druggist's business in London; good character and references essential; permanency; salary £150, rising. Reply, with full particulars, to 60/19, Office of this Paper.

REPRESENTATIVE wanted, to carry an advertised Side-line on commission; pocket sample only necessary. Reply, 184/8, Office of this Paper.

MART representative, with good connection amongst Medical men, wanted by Manufacturing firm to take orders for high-class new and easy-selling goods (Instrument line); 6 to 8 daily visits will bring £2 10s. to £5 commission weekly if taken up as a Side-line. Apply, 64/9, Office of this Paper.

TRAVELLER required for London by Wholesale Druggists' Sundries firm; must have thorough knowledge of trade and connection amougst Stores. Applications, with full particulars of experience, salary required, 62/91, Office of this Paper.

TRAVELLERS wanted by Druggist Sundrics firm; preference given to those who have already successfully represented other firms; first-class references necessary. Applications, statingage, full particulars of experience, ground covered, salary, and expenses required; strictly confidential. 62/19, Office of this Paner.

UNDER-FOREMAN Packer, with continuous experience in this department of Export Drug-house. State particulars of previous situations, whether disengaged, and wages expected, to 63/16, Office of this Paper.

WANTED, a Chemist, to supervise making Patent-medicines, Salves, Ointmeuts, etc., for limited company; must invest £500.£1,000 and be at liberty at once. State age, salary required, qualifications, "M. S. O." (60/17), Office of this Paper.

WANTED, in S.E. district, reliable girl to take charge of small proprietary room; must be experienced and quick Packer and Wrapper. Apply, stating wages required, "S. E. (179/50), Office of this Paper.

WANTED, a young man, of fair education, who has had two or three years' working experience in the Manufacture of Medicinal and Fine Chemicals, and is accustomed to quick and accurate work; no one need apply who is without practical factory experience, as it is essential to fill this position. Address full particulars as to age, experience, and salary expected, to "Manager," 27 Saint Jeau Baptiste Street, Montreal, Canada.

SITUATIONS WANTED

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This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

CHEMIST (30) seeks Management; disengaged September next; English, South American, and Indian experience; Ærated Waters, Photography, etc.; excellent references. "Gangees" (41/20), Office of this Paper.

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[HOME.]

M.P.S. and R.D.S., with long experience, having sold his business, will accept Locum, week or month, Partsuitable; terms moderate; now or later. "Dens," 9 Woodville Road, Nottingham.

RELIEF; smart business man; accustomed City and Suburban and West-end business; sound practical experience; trustworthy recommendations; disengaged. Forster, 5 Coleridge Road, Finsbury Park, N.

IMPROVER; indoors; disengaged; age 19; tall. Sharman, 283 Lincoln Road, Peterborough.

UNQUALIFIED; 24; 9 years' experience; references; outdoors. "Statim," 2 Wolsey Road, Esher.

L OCUM; 33; disengaged; qualified; good references. "Statim," 44 South Island Place, Brixton.

QUALIFIED Locum or Dispenser, Photography, Optics. Usher, 23 Boyson Road, Camberwell Gate.

LOCUM; qualified; experienced; reliable; town or country. "Cymro," 74 Orleans Road, Liverpool.

OCUM; one evening a week, also half-day a week; good references. "Salof," 24 Delancy Street, N.W.

SATURDAY evenings; Retail or Dispensing; 30; qualified. "Argon," 60 St. Mary's Road, Peckham.

LOCUM during June: qualified; Optics; experienced; good references. Bennett, 15 Tregothnon Road, Stockwell, S.W.

PORTER, Stockkeeper, and assist at Counter; good references; age 23. W. Sutton. 28 Braddyll Street, East Greenwich.

QUALIFIED: Branch Manager or Dispenser; abstainer; 30; experienced; permanency. "H.," Summerbirks, Keswick.

LOCUM; qualified; experienced; reliable; references; Photo graphy; Optics. Lemmon, 13 St. Michael's Place, Brighton.

QUALIFIED (24) desires engagement; West End experience; Photography; good references. 56/36, Office of this Paper.

JUNIOR or Improver: 20; disengaged: tall: well recommended; abstainer; country experience. Fowler, Bridge Street, Witney, Oxon.

QUALIFIED; 26: tall; Assistant or Manager; best all-round experience; outdoors; disengaged June 25. Johnson, 62 South Audley Street, W.

MANAGER or Assistant; age 42; unqualified; 28 years' firstclass experience; married; life abstainer. Roberts, 110 Gelligaer Street, Cathays, Cardiff.

SUMMER Holidays.—Locum; unqualified; 24; town or country; disengaged July 5 to September 5; 7 years' experience. Thomas, 168 Church Road, Willesden, N.W.

THREE or four days a week; qualified; experienced in all branches; highest references; London or Maidstone preferred, "P. J." (60/2), Office of this Paper.

LADY Assistant; young; whole or part time. "D 5 Montpelier Street, Brighton.

OCUM; qualified; 32; disengaged June 25 to July 22. Paddress, Manning, Fairford, Glos.

JUNIOR: 5 years' experience; disengaged July 1; Lor ferred. 62/1, Office of this Paper.

OCUM: qualified; first-class experience; disengaged "Locum," c/o Bateson, Chemist, Kendal.

QUALIFIED; Assistant, Locum, or Branch Manag Purdie, 12 Comiston Gardens, Edinburgh.

LADY Dispenser wants Loeum work. Apply, M. "Worrinho," Worrin Road, Shenfield, Essex.

QUALIFIED; disengaged; Dispensing and Counter; "Aspirin," 2 Randolph Road, Maida Vale, W.

JUNIOR or Improver; 20; 3 years' experience; d "J. W. H.," 128 Prospect Road, Scarborough.

L OCUM; qualified; excellent references; disengaged un "A.," 41 Palmerston Road, Sparkbrook, Birmingha

QUALIFIED; 27; highest references; North of Enferred. Apply, "Statim" (61/25), Office of this P

QUALIFIED; Dispensing, Photographic, and Counter references. Walkinshaw, Chemist, c/o Harrison, 6

CITUATION wanted by clderly, qualified, registered Country preferred; small salary. Apply, 62/7, 0th Paper.

A SSISTANT (unqualified); 23; tall; 8 years' all-round good Dispenser and Prescriber; June 10. 61/26, 0

A SSISTANT (27) requires berth; thoroughly computed doors; City or S.W. district. "Amidol" (60/3)

A SSISTANT; unqualified; 10 years' experience; Dispe and Photographie; excellent references. Edmondi Street, Nelson.

DENTAL Mechanic (21), tall, with some knowled trade, seeks situation for improvement; North 62/34, Office of this Paper.

QUALIFIED; 30; Senior; West-End and Continenta Midlands or North of England preferred. Apply, 19 Bishop Street, Mansfield.

PHARMACIST desires position of trust necessite amount of outdoor employment; disengaged; mot a 'Leo'' (59/21), Office of this Paper.

L OCUM; 26; 10 years' first-class experience; higher requalified; disengaged June 26 to July 31. Ga: 18 Milkwood Road, Herne Hill, S.E.

L OCUM; qualified; 26; experienced; good references us disengaged until 20th; open dates in July and Hudson, 148 Portland Street, Lincoln.

CAPABLE Assistant; 35; outdoors; permanency; mo and provincial experience; moderate terms "Drugs," 100 High Street, Somerset.

DISENGAGED; experienced Dispenser, Prescriltractor; gentlemanly appearance; reliable a references. 62/2, Office of this Paper.

1; nnqualified; good experience and references; London erred. 60/37, Office of this Paper.

GAGED; unqualified; several years' experience. R. Man, 2 Rockville, Hautville, Guernsey.

TANT; 27; 11 years' Dispensing, Counter; City or S.W. E.," 96 Fawe Park Road, Putney.

I, season, permanency; active, middle-aged; wide experi-. "W.," 18 Browning Road, Worthing.

FIED; well experienced; 26; permanency. "Ineog.," Sunlight Street, Belmont Road, Liverpool.

ER or Loeum; qualified; married; Opties, Dental. Impetent, 9 Links Road, Tooting Juuction.

; 30; qualified; tall; experienced; reliable; references. ng, Chemist, Ashton in-Makerfield, Laues.

; 29: qualified; 12 years' experience all brauches; Contal; moderate. T. H. Buswell, Lutterworth.

L instruction wanted in return for part services. rmacist," 9 Links Road, Tooting Junction.

TIONAL experience (Hall); testimonials; disengaged; period. "Locum," 3 Queen's Square, Brighton.

or permanency; qualified; middle aged; abstainer; dised. "Phenacetin," 10 Raby Street, Darlington.

Dispenser, Assistant; unqualified; disengaged; good extee. "Statim," 1 Heath Terrace, Greenwich, S.E.

or otherwise; disengaged; sound experience; smart; Pretr. "Extractor," 12 Norlington Road, Leytonstone.

ER; permanency; experience London and country; wied. Apply, "A. B." (61/11), Office of this Paper.

LIED; good experience; Dispensing, Photographie, and er; London preferred. 61/24, Office of this Paper.

UIFIED; 30; tall; good Dispenser, Photographie, Prer; energetic; exceptional experience. 64/13, Office of this

l<mark>l ssistant; unqualified; age 30; good Drug Stores Countera; years' experience. "Salol," 55 Grove Park Road, West</mark>

M qualified; disengaged June 26 to July 10; all-round exde; good references. "Forward," 341 Garthorne Road, B London.

Jualified, excellent references, booking summer holiday town or country; disengaged. Caius, 21. Castletown Kensington.

O'(R; 19; disengaged June 13; tall; very willing; 4 years' ree; time required for study. Apply, stating full parts 17, Office of this I aper.

FIED Assistant; married; Dispensing, Photographie, indow-dressing, etc.; good Counter hand. "Salol," ham Road, Enfield, N.

risistant; unqualified; good Connterman; 35; tall; single; aphy; thoroughly experienced; undeniable references.
2 Trinity Road, Tooting, S.W.

HAM (or near), as Locum or otherwise; long experipersonal interview; excellent local references. Address, n'' (63/1), Office of this Paper. OSPITAL Locum; qualified. Irving, 32 Valuay Street, Tooting, Loudon.

PHARMACIST (29) desires engagement as Locum for June and July (or permanency): excellent all-round experience; disengaged. Martin, 18 Howard Street, Wakefield.

UNQUALIFIED Assistant or Branch Manager; 29; married; 14 years' experience; undeniable references; permanency. Statim," 71 Camden Road, Tunbridge Wells.

RELIEF, Part-time, Locum, or Doctor's Dispensing; qualified; Frescriber and Extractor: Minor Surgery; Photography, &c.; "Statim," 57 Southfield Road, Bedford Park, W.

QUALIFIED; young; 7 years' experience; high-class Dispensing and Photographic; seaside or season; outdoors; please give particulars. Miller, 19 Selborne Street, Blackburn.

LOCUM; permanency preferred; Hall qualification; age 46; single, healthy, active, abstainer; good experience; disengaged; willing do anything. "Vera," 164 Powis Street, Woolwich.

AS a Manager, a position in a good-class Dispensing business or Manager of a Branch business, with good eredentials. E. D. Webber, 7 King's Parade, Church End, Finchley, N.

MANAGER, now in charge of high-class City business (provincial) desires change; thoroughly experienced; highest references. "Alpha" (60/40), Office of this Paper.

QUALIFIED (25), tall, booking dates mid-June to mid-August; highest references; excellent experience, West End and provinces. Rock, e/o Downing, Pharmaey, Welwyn, Herts.

QUALIFIED; first-class West-End experience (Dispensing and Retail); age 23; height 5 ft. 10 in.; London or South Coast preferred. F. J. Gilmour, 243 Harvest Road, London, N.W.

UNQUALIFIED desires situation with Chemist-Optician for Optical experience; excellent references; Yorkshire preferred, but not essential. "Optics," 100 Melrose Street, Anlaby Road, Hull.

QUALIFIED, also Apothecaries Hall and Dental Surgeon, as Manager or Principal Assistant, or Locum Tenens; London and country experience; excellent references. 64/17, Office of this Paper.

EXPERIENCED Managing Assistant on premises; married; no professional Photographer; highest character. "P.," 20 Muir Road, Maidstone.

T OCUM; 30 years' wide experience; qualified; disengaged 20th I inst.; address until 10th, Smith, c/o Dickerson, 14 Market Head, Derby. Permanent address, 5 Hannah Street, Crowcroft Park, Manchester.

EXPERIENCED Dispenser, Prescriber, Extractor, registered, medical student, with part curriculum, offers his services at small salary to learn counter work; aged 40. "Dispenser," 30 Queen's Road, Tidal Basin, E.

MANAGER or Section Inspector; qualified; thoroughly capable Prescriber and excellent Salesman; modern and Dispensing business experience; strictly sober and reliable; 35; disengaged. "Grosvenor" (62,41), Office of this Paper.

IMPROVER (20), tall, passed Preliminary, 3 years' Dispensing experience with Medical man, requires situation with Chemist; indoors; excellent testimonials, Apply, stating particulars of salary, etc., Evans, Salanama, Pentrefelin, Portmadoc.

WANTED, by cx-Staff Sergeant (R.A.M.C.), son of a Medical man, a situation as Dispenser or Assistant to private Doctor or an Institution: exemplary character; 21 years' experience; single; South of England preferred. Address, "Compounder" (60/11), Office of this Paper.

SITUATIONS WANTED (continued).

WHOLESALE.

SSISTANT (23), 6 years' Retail, desires situation with view to Representing; good reference. 64/12, Office of this Paper.

SURGICAL APPLIANCES.—Experienced Lady Fitter seeks engagement; can be highly recommended. 61/35, Office of this Paper.

EXPERIENCED Traveller; North ground; good connection Chemists, Stores, Hairdressers, etc.; good references. J. Conpland, Withington, Manchester.

COMPETENT man (28) seeks situation; Wholesale; take charge; 10 years' experience in Wets and Specialities. "S.," 10 Queen Ann Road, Sonth Hackney.

A DVERTISER seeks appointment; age 31; 13 years; Packed Goods, Soaps, and Perfumery; disengaged June. "D. K." (64/23), Office of this Paper.

A DVERTISER, well known Liverpool, Cheshire, North Wales, etc., personal connection, as Representative first-class firm Drug, Sundries. "Statim," 52 Belmont Road, Liverpool.

CENTLEMAN (38), with first-class connection, South, East, and West of England and portion of Midlands, is open to reengagement; 14 years' excellent reference. "Radax" (57/26), Office of this Paper.

DRUGGIST (German) desires a situation as Warchouse Clerk German Correspondent in an English Wholesale house; fir class references; one year's engagement; low salary as object to learn English. 61/12, Office of this Paper.

A DVERTISER, 23 years of age, 7 years' Retail experier desires situation with view to Representing; first-class reences guaranteed; no objection to going abroad; interview time in London. 60/10, Office of this Paper.

QUALIFIED British Pharmacist (29), after 3 years' Lon 2 years' German, and 2½ years' French and Italian experie seeks position; just concluding special Egypt, Levant, and (tinent journey for English house, who recommends him. 61 Office of this Paper.

TWO Clerks, capable and energetic men, with several yes' experience, seek re-engagement; expert Invoice Clerks, Dole-entry Bookkeepers, and good all-round knowledge of office well-could fill any position in Wholesale Druggist's office. Replication (60/29), Office of this Paper.

PHARMACEUTICAL Specialist desires post as General or Dertmental Manager, or as Representative (experienced), prefe by Home Counties or abroad, with Surgical Instrument and Philaceutical house of high standing; the advertiser is a capable organs, good pamphleteer, and skilled Therapist; possesses the usual lities and necessary qualification; communications strictly confide al. "H. B. C." (62/14), Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

Shares for Sale (free of commission, subject).—250 Angostura Bitters 6 per cent. Preference (participating up to 7 per cent.), 18s. 73d.; 260 Baiss Bros. & Stevenson Preference, 18s. 103d.; 200 Baku Oil, 5s. 9d.; 80 G. B. Kent Preference, 17s. 44d.; 165 Lewis & Burrows 6 per cent. Preference, 10s. 9d., 160 Ordinary, 2s. 104d.; 100 A. J. White Preference, 10s. 44d.; 100 Wright Layman 6 per cent. Preference, 22s.; 100 Virol 17s. 44d.; 100 Wright Layman 6 per cent. Preference, 2s.; 42d., 200 "A" Ordinary, 3s.; £200 Debenture 60; 1,000 A. J. White Ordinary, 2s., 300 Preference, 9s. 9d.; 20 Evans Lescher Preference, 101s.; Benger's Ordinary, 29s. 3ds. xd. List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

PARGAINS IN SHOPFITTINGS (second-hand).—Two Plate-glass fronted Serving Counters, one 17 ft. long, price £12, another 12 ft. long, £8 15s.; wall Show-case, 10 ft. 6 in. long, mirror centre, price £12 10s.; prug-fatting, 12 ft. long, £12 10s.; besk and Perfumecase, 45s.; Plate-glass Counter-case, 5 ft. long, 80s.; quantity of other fittings, various sizes, great bargains. PHILIP JOSEPHS & 80NS, LTD., 93 Old Street, London, E.C.

CHEMISTS' SHOP-FITTINGS (SECOND-HAND). — Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with gla e-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free, MATTHEWS, CHEMISTS' FITTER, 14 and 16 MANCHESTER STREET, LIVERPOOL.

IT SOLD THE GOODS.

'The window show was a great success. I had to continually keep 'The window show was a great success. I had to continually keep dressing it," wrote a Pharmacist this week. You must have window displays, not only to attract attention but sell the Specialities shown, and that is what the displays I recommend do. These are only part of my scheme for business building. Full particulars in Booklet, "How to Increase your Business," sent post free to Pharmacists only. Only one Pharmacist in a town supplied, and no catchpenny ideas.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

WE HAVE WHAT YOU REQUIRE, Drng Fittings, Con re, Wall-cases, Dispensing-screens, Perfume-cases, cto., in s ost all sizes; second-hand; condition first-class; prices reaso ble. Write for sketches and details giving approximate sizes, o all and inspect RUDDUCK & CO., 262 OLD STREET, E.C.

CHEMISTS' BARGAINS.—Drug-fittings, Dispensing-sereens, all-cases, Perfume-cases and Desks, Centre Cases, Connter Counters, Drawers, Window Enclosures, Glass Shelves, etc., All optitings, second-hand; lowest prices; can't be beaten; send fo stimate, it will pay you; 30 years' practical experience. George Ok, The Working Shopfitter, 8a Cross Street, Islington, London.



O THE CONTRACT OF THE CONTRACT

Bernard Slack's Latest Ido

is to show his clients next week end how to start 5 styl looking preparations for 30 -, or one for 6/-. The 6- will include 100 good labels, value 7/6 thousand, and 100 good eartons. These and other bra business-making ideas, to extent of 4 a month, are so the by B. S. regularly the second Saturday in emonth. Write for Free Booklet showing cost working system and my modest fee for supplying bra and being your business increaser for a year.

BernaroSlack, 9 King Tel. No 581. Wolverham

Exchange Column—Bargains.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No Advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

LER'S "Dictionary of Medicine," excellent condition, 12s. 6d Courses, Chemist, Doneaster.

R sale, cheap, set books used in Pharmaccutical College last year.

16 Spital Road, Maldon, Essex.
ELJM. books, complete set, nearly new; what offers? James,
Broad View, Hatherley Road, Winchester.

DENTAL.

NTAL pump chair, upholstered marcon plush, all movements, as new, cost £25: engine, side wheel, No. 7 slipjoint attachment; vulcaniser, small; lathe, etc.; what offers, whole or part? Seen by appointment if desired at Buckie, N.B. Apply, PENNIE, Chemist, 212 Mid-Stocket Road, Aberdeen.

O dental chairs (Ash's pump and Morrison's); also engines, lathes, gas-apparatus, mallets (engine and automatic), tools, filling-instruments; good condition and cheap; unique opportunity for beginner; inquirers please seud stamped addressed envelope; photos of both chairs 4 stamps; a few dental books. "Exors.," e'o Collins, Chemist, Pontefract.

OPTICAL AND PHOTOGRAPHIC.

LLI quarter-plate focal plane camera; Goerz pattern; f 6 Aldis lens; 6 double slides: leather carrying-case; perfect order; £4.

WALKER, Chemist, Stirling.

Walker, Chemist, Stirling.

RGAIN.—600 12½ by 10½ Oxford line mounts, 50 10½ by 8½ ditto,

1,300 half-plate ditto. job lot, eardboard, price 10s. the lot,
carriage forward; one £5 17s. 6d. ¼ Frena camera, without films,

40s.: one £2 12s. Memo ditto, 20s.: 4 No. 4 Bull's Eye Kodaks, perfect action, slightly shop-soiled, 17s. 6d. cach. Farrow, Brompton. Chatham.

SHARES.

RES for sale. See p. xlii.

SHOP FITTINGS.

EE mahogany show-cases, splendid condition, 2 ft. square, 6 in. leep; what offers, cash? 77 Trafalgar Road, Erdington, Birningham.

MISCELLANEOUS

HONS, 6 doz. 35-oz., nearly new, silver-plated, for £3. Burge, 23 Shirlaud Road, Paddiugton.

 $\mathfrak{A}_{\mathrm{GAL.}}$ screw-top glycerine-tins, used once, 6d. each, or exchange

hellac. Allen, Biggleswade. The months' College course for sale by student unable to con-

nue; also books. Miss Lusty, Wilberforce House, Epsom.

St., water-bed, 72 in. by 32 in., No. 3 Cartridge Kodaks, complete; heap; or exchange. Gwynne, Chemist, Liseard, Cheshire.

BICE GREEN'S optical ontfit. complete, new; Maw's pillachine, 24 5 gr., no tray. Offers, 61/31, Office of this Paper.

C. FOUNTAIN (Stiles' Regent): 2 monitors, 4 syrups; perfect inclining season just commencing. Taylor, 93 Leadenhall treet, E.C.

Z. Florida sponges, sample 7d.; 2 doz. 2-oz. Vigoral; moving odels, suitable corn-cure, toilet; doz. Oozonia; what offers?

1/27, Office of this Paper.

AMED mineral specimens, cost nearly £3; Bermuda coral sand r microscopic work; large sample 6 stamps. Woodward, Pharacist, Weymonth.

WANTED.

SPF Apollinaris bottles, 7s. per 100, car. forward. WHYSALL,

PL INUM, crucibles, wire, foil; full value remitted. Rowsell, Crebor Street, Dulwich.

- ONE or two lb, scales for surgery use; verification nunceessary. Collings, Chemist, Doncaster.
- Collings, Chemist, Doucaster.

 MARBLE mortar, 3 or 4 gal.; good condition; cheap. Particulars,
 MILNER, 209 Trafalgar Road, Greenwich.

 BEASLEY'S "Pocket Formulas" and Squire's "Companion,"
 recent editions. Lowest price, Duck, Chemist, Cardiff.

 DENTAL show-case, specimens optional, required. Particulars to
 "DENTIST," c/o Luck, Hairdresser, Odiham, Hants.

- "DENTIST, C70 EMER, HAITGRESSET, OMITAIN, TOMOS.

 60 or 70 SHOP-ROUNDS, recess labels, 20-oz, and 30-oz. Full particulars, lowest price, MITCHELL, Chemist, Dumbarton.

 "JOURNALS Society Chemical Industry," back numbers,

 "CHEMIST." 94 Tanworth, Street, West Brompton, S.W.
- CABINET for storing spectacle-frames, second-hand, cheap. Full particulars and price to FRANK SMITH, Chemist, Norwich
- OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gowen, Bookseller, Waterloo,
- CHEMICAL balance, in good condition; set hydrometers. .900 to 1.400; reagent bottles and general apparatus. "ROIM," I Manley Street, Broughton, Manchester.
- BACK vols. of the "Journal Society of Chemical Industry" and "Journal Chemical Society," also any scientific journals or books on natural sciences. Hull, Bookseller, Tunbridge Wells.
- SHOP bottles and jars complete, gold or recess labelled, for chemist's shop; must be cheap and in good condition. Full particulars and lowest price to S. Briggs, Chemist, 31 The Broadway, Crouch End, N.

The Mustard Country.

FEW small ehemists get their fair share of exercise and fresh air, and it is no doubt on this account that so many of them become "liverish" and irritable as they grow older. I find myself getting into that condition pretty often, and therefore when the opportunity offers for a good spell of outdoor exercise I seize it with avidity. Recently, having arranged with a friend to take duty for me, and fixed up to meet another friend at 6 a.m. for a eyele run from Nottingham, we got away in good time. The birds seemed to be the only inhabitants of the countryside, and they were making music right merrily. No wonder, it was a delightful morning, such freshness as one does not get every year, the recent rains having kept down the dust. The beautiful greens of the foliage mingled with the more varied colours of the flowers; the pastures were masses of the deep yellow of buttercups, outlined by the white of the hawthorn, and for variety lilac, laburnum, and clestnuts—those beautiful flowers that seem to meet with such little attention except on Chestnut Sunday at Bushey Park. at Bushey Park.

to meet with such little attention except on Chestnut Sunday at Bushey Park.

After a run of about twenty miles we sighted the dueal castle of Belvoir standing boldly upon its lofty height, and this remained the dominant feature of the landscape for several miles; almost under its shadow we saw the remains of village stocks still existing. Presently we were in Lincolnshire, and Grantham, with its fine church and beautiful school, was soon passed. Another hour's steady riding through some interesting country—Belton, one of the nicest villages I have ever seen, and Aneaster, where the stone comes from—brought us to Sleaford and breakfast-time. After interviewing the cook at an ancient hostelry we did justice to the bountiful fare put before us. A few more miles and we were fairly into the golden land. For twenty to five-and-twenty miles we hardly ever seemed to be out of sight of the marses of pale yellow flowers of the mustard fields; acres and acres of brilliance, emphasised by the changing lights of sun and cloud, give the countryside a much more cheerful appearance than usual. Miles away in the distance Boston Stump looms above the flat, a mighty landmark for weary travellers, holding forth promise of stimulus to the jaded. We continued our journey, more miles of flat country interspersed with fields of glowing yellow blooms and cut up by mighty drains the bridges ever which one does not notice, they are all so level with the roadway; no hill much bigger than a molehill for fifty miles; and so, with cheerful thoughts of the wind which had kindly blown from the west throughout the journey, we arrived at our destination before dinner was ready, but not before we were ready for it.— Tyke (184-24). ready, but not before we were ready for it. - Tyke (184 24).

Minor Experiences.

Pharmacist (207/23), finding help from the experiences recorded in the C. & D., sends an account of his experiences at Edinburgh, which he hopes will soothe the "Minor worries" of some of our readers. He writes thus:

My notice to present myself at 10 o'clock precisely at York

My notice to present myself at 10 o'clock precisely at York Place, Edinburgh, meant an early start for a student from the West. After the roll-call, eandidates were divided into two parties. My section was marched off to CHEMISTRY. On the bench I found a 1½-oz. bottle containing the solution of potassium hydrate for volumetric work. This I estimated with pure oxalic acid, and the time that 5.84 grams took to dissolve was astonishing. I myddled one of my I estimated with pure oxalic acid, and the time that 5.84 grams took to dissolve was astonishing. I muddled one of my weighings, so had to do it over again, and it was fully "half-time" before I proceeded with my salt. The sublimate obtained on heating in a dry tube seemed familiar, so I fused a portion of the salt with sodium earbonate and obtained a small globule of mercury, that "youngster" being a welcome sight. After that things went like clockwork, and mercury, potash, chloride, and sulphate were reported.

In Practical Pharmacy the dispensing proved to be what would be met with in the every-day pharmacy:

3 grains atropine	sulph	ate.	Make	officia	ial liquor.						
Plumbi acet.						gr. j.					
Ext. bellad. vir.						gr. ss.					
Ext. opii						gr. ss.					
Ol. theobrom.	• • •			• • •		q.s.					
Make 6 such suppositories.											
Ol. ricini						mxv.					
		• • •	***	***	• • •	gr. ij.					
Spt. chlorof.					***	mss.					
Mucil. acaciæ	• • •		• • •		• • •	m xv.					
Ft. xxiv. doses. 3j. ter in die.											
Liq. ext. ergotæ				• • •		ziss.					
Acid. carbol.	• • •			• • •		gr. xx.					
						3].					
Adip. lance ad	• • •		• • •	• • •		3j.					
"The ointment."											
P. cinnam. co.						5j.					
Bismuth. carb.		***	• • •			311.					
Magnes, carb, p						31j.					
Sod. bicarb.		***	• • •			зij.					
P. rhei		• • •			• • •	gr. xx.					
Ol. menth. pip.			• • •			ηį viij.					
Misce. 5ss. pro dos:	is.										

The examiner watched the making of the suppositories and emulsion, but afterwards he only appeared at intervals. On finishing, I was told I had done very well in dispensing. Being a "last day" man I waited to see the result of that day's exam., and found my name on the pass list. On the second day, which I dreaded more than practical, I was "up" again in the morning, being sent to

PRESCRIPTION-READING first. I got an eye-lotion to write out in full Latin, with a "good-sized bit" of directions. Then I had to read four prescriptions, first in full Latin, then in English. I was asked a few doses in the prescription. tions before being sent back to my seat.

PHARMACY followed, with questions about evaporation, evaporating-pans, vacuum-pans, and the best temperature for evaporating extract of malt. Give the strengths of tr. bellad., nucis vom., opii, vin. ipecac. What is the strength of opium in tr. opii? Official strength and mode of preparing six or seven tinctures. How many standardised tinctures are *here? Poisons were strong, especially those in Part I. of Poisons were strong, especially those in Part I. of the Schedule.

CHEMISTRY was next. My examiner lay back in his chair and said, "Tell me all you know about chromium, formulæ

and said, "Tell me all you know about chromium, formulae for chrome iron ore, potassium chromate, potassium bichromate, chrome alum." From these to manganese, silicon, fluorine, lead, lead oxides, then on to ethylene, acetylene, acetanilide, acetone, aldehyde, benzine, benzoie acid (how made from toluene), salicylic acid. By the time I had got through this lot I was feeling rather limp, and it was with mingled sensations that I went over to

BOTANY, where the table was an imposing affair, looking like a miniature flower-show. A slide was given first, which proved to be a transverse section of the stem of a water plant. Having drawn this, I went up to the flower table, where the section formed the basis of the questions, the functions of cork, phloem, xylem, pericyle, and cambium being asked for. What were the large cavities filled with? Give the elements necessary for plant-life. Describe the development of a fern. Plants belonging to Ranunculaeca, Umbelliterae, Compositae, and Liliaecae were given to recognise and describe.

Materia Medica.—Questions were asked regarding fixed and volatile oils and the extraction of morphine from opium. About fifteen different specimens were handed to me. I

recognised all except a piece of jalap of unusual shape. recognised all except a piece of jalap of unusual shape. After questions relating to their principal constituents, I went back to my seat to await the verdict in fear and trembling. As one in a dream I heard my name and "Congratulate you." Then it began to dawn on me that I would go out a Minor Man. Mr. Rutherford IIIII then told us to come back about 5 p.m.—front door this time. The new certificate is not a thing of beauty, and might be improved by the Society affixing an embossed copy of their seal on it: it would at least be something to look at.

ing an embosed copy of their sear on it. It would at least be something to look at.
"Pharmacist" says he found the examiners pleasant, courteous, and considerate gentlemen, not above giving a friendly hint if one were cornered, and quite different from

the customary reports current among students.

Coming Events.

This Section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Monday, June 6.

Monday, June 6.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. The following papers will be read: "The Accuracy obtainable in Fuel Calorimetry," by Mr. G. Nevill Huntly; "Differential Distillation," by Mr. J. L. Foucar; "The Production of Formic Acid by the Atmospheric Oxidation of Turpentine," by Mr. C. T. Kingzett and Mr. R. C. Woodcock: "Proposed Method for the Estimation of Butter Fat, Coccanut Oil, Palm-kernel Oil and the Determination of their representations." Palm-kernel Oil, and the Determination of their respective Proportions in Mixtures," by Mr. S. H. Blichfeldt: "The First Synthesis of Ethyl Alcohol," by Professor R. Meldola.

Thursday, June 9.

West Ham Association of Pharmacists. Visit t Parke, Davis & Co.'s laboratories at Hounslow. Visit to Messrs.

South of England College of Pharmacy, at 7.30 P.M., Venetian Chamber Holborn Restaurant, London, W.C. Dinner of Chamber, Holborn Restaurant, London, W.C. Dinner of present and past students Mr. T. H. W. Idris, J.P., will be in the chair. Past students should communicate at once with Mr. H. Lucas, the Principal, 186 Clapham Road, London, S.W.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 p.m. Treasurer's and Secretary's reports will be submitted.

Friday, June 10.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Dr. H. Deslandres, D.Se., on "The Progressive Disclosure of the Entire Atmosphere of the Sun" (in French).

SOCIETY OF CHEMICAL INDUSTRY.—The annual general meeting of the Society will be held in the Natural Philosophy Lecture Theatre of the Technical College, Glasgow, on July 6.

THE combined launch trip of the Thames Valley Pharmacists' Association, the Western Pharmacists' Association, and the Croydon Pharmacists' Association will take place on June 22. It is proposed to start from Bourne End at 10.30 A.M., to lunch at Windsor, and subsequently to serve tea on board. Tickets (10s. 6d. cach), which include train fare from Paddington, lunch, and tea, are obtainable from the Secretaries of the three Associations, or Mr. Alfred Higgs, 42 Richmond Road. Kingston-on-Thames. 42 Richmond Road, Kingston-on-Thames.

THE BRITISH PHARMACEUTICAL CONFERENCE will be held at THE BRITISH PHARMACEUTICAL CONFERENCE will be held at Cambridge at the end of July. A reception will be held on the evening of July 25, and sessions of the Conference will meet on the mornings of July 26, 27, and 28, the afternoons and evenings being devoted to social functions. On the afternoon of July 26 a meeting will be held of the Federation of Local Pharmaceutical Associations. The full programme wargiven in the C. & D., April 23, p. 600. The Hon. Local Secretary, from whom tickets can be obtained, is Mr. Arthu Deck, 9 King's Parade, Cambridge.

THE combined annual excursion of the Glasgow and West of The combined annual excursion of the Glasgow and West of Scotland Chemists' Association and the Edinburgh Chemists Trade Association will be held on June 22 to Loch Eck. The train leaves Edinburgh 6.25 a.m., Glasgow 8.30 a.m., for Gourock, thence by steamer to Dunoon, coach to Loch Eck steamer to head of Loch, and coach to Strachur, where the steamer is again joined. There will be a short time on short at Inverary, after which steamer will return to Gourock virilless of Bute. Particulars and tickets may be had from the Hon. Secretaries, Mr. A. McMillan, 623 New City Road, Glasgow, and Mr. G. H. C. Rowland, 7 Castle Street, Edinburgh.

ETHYLENE DICHLORIDE is a good solvent for caoutchouc. is less volatile than chloroform or carbon tetrachloride, and the vapour is neither dangerous nor inflammable.



